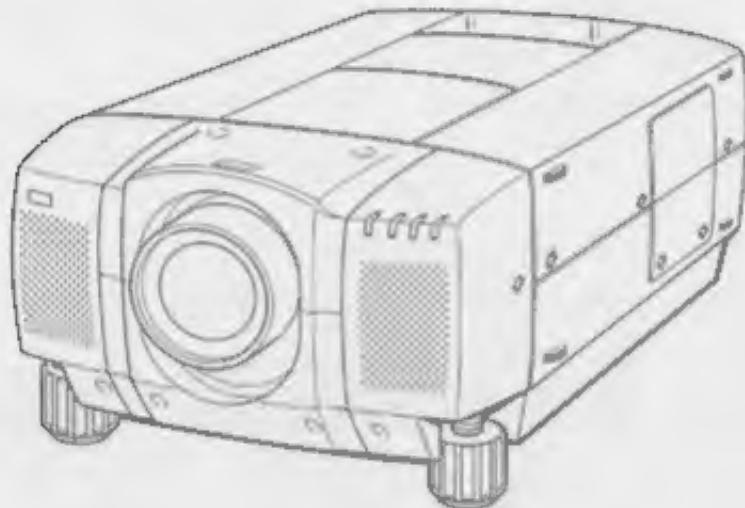




MULTIMEDIA PROJECTOR

MODEL **LC-SX1U**
LC-SX1UL (Without Lens)



OWNER'S INSTRUCTION MANUAL

INFORMATION TO THE USER

NOTE : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the owner's manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

SAFETY PRECAUTIONS

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

This Projector has a grounding-type AC line plug. This is a safety feature to be sure that the plug will fit into the power outlet. Do not try to defeat this safety feature.

Intense light source. Do not stare directly into the projection lens as possible eye damage could result. Be especially careful that children do not stare directly into the beam.

The Remote Control Unit, supplied to this projector, emits the laser beam as the Laser Pointer function from the Laser Light Window while pressing the LASER button. Do not look into the Laser Light Window or shine the laser beam on yourself or other people. Eye damage may result.

If the Projector will not be used for an extended time, unplug the new Projector from the power outlet.

This Projector should be set in the way indicated. Never hang the projector, or fall down on its side. It may result in fire hazard.

READ AND KEEP THIS OWNER'S MANUAL FOR LATER USE.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE EXCEPT LAMP REPLACEMENT. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.



THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE OWNER'S MANUAL WITH THIS UNIT.

IMPORTANT:

For your protection in the event of theft or loss of this LC Data-Grade projector, please record the Model Number and Serial Number located on the rear of unit and retain this information. Refer to these numbers whenever you call upon your authorized dealer regarding this product.

Model No : LC-SX1U/SX1UL

Serial No : _____

Do not discard shipping carton and packing materials.
These items may be needed for storage or future servicing.

IMPORTANT SAFETY INSTRUCTIONS

All the safety and operating instructions should be read before the product is operated.

Read all of the instructions given here and retain them for later use. Unplug this projector from AC power supply before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

Do not use attachments not recommended by the manufacturer as they may cause hazards.

Do not place this projector on an unstable cart, stand, or table. The projector may fall, causing serious injury to a child or adult, and serious damage to the projector. Use only with a cart or stand recommended by the manufacturer, or sold with the projector. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

Do not expose this unit to rain or use near water... for example, in a wet basement, near a swimming pool, etc...

Slots and openings in the back and bottom of the cabinet are provided for ventilation, to insure reliable operation of the equipment and to protect it from overheating.

The openings should never be covered with cloth or other material, and the bottom opening should not be blocked by placing the projector on a bed, sofa, rug, or other similar surface. This projector should never be placed near or over a radiator or heat register.

This projector should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.

This projector should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied, consult your authorized dealer or local power company.

Do not overload wall outlets and extension cords as this can result in fire or electric shock. Do not allow anything to rest on the power cord. Do not locate this projector where the cord will be abused by persons walking on it.

Never push objects of any kind into this projector through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the projector.

Do not attempt to service this projector yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Unplug this projector from wall outlet and refer servicing to qualified service personnel under the following conditions:

- a. When the power cord or plug is damaged or frayed.
- b. If liquid has been spilled into the projector.
- c. If the projector has been exposed to rain or water.
- d. If the projector does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the projector to normal operation.
- e. If the projector has been dropped or the cabinet has been damaged.
- f. When the projector exhibits a distinct change in performance this indicates a need for service.

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or injury to persons.

Upon completion of any service or repairs to this projector, ask the service technician to perform routine safety checks to determine that the projector is in safe operating condition.



This projector is equipped with a grounding type AC line plug. Should you be unable to insert the plug into the outlet, contact your electrician. Do not defeat the safety purpose of this grounding type plug.

Follow all warnings and instructions marked on the projector.

For added protection to the projector during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage due to lightning and powerline surges.



An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

If the projector is to be built into a compartment or similarly enclosed, the minimum distances must be maintained.

Do not cover the ventilation slot on the projector.

Heat build-up can reduce the service life of your projector and can also be dangerous.



TABLE OF CONTENTS

	PAGE		PAGE
FEATURES AND DESIGN	5	P-TIMER FUNCTION	34
INTRODUCTION	5	AUTO IMAGE FUNCTION	34
COMPATIBILITY	5	CURSOR FUNCTION	34
IMAGE RESOLUTION	5	MENU OPERATION	35-36
AUTOMATIC MULTISCANNING SYSTEM	5	MODE SELECT	35
SCREEN MODE	5	SOUND ADJUSTMENT	36
MULTILANGUAGE	5	LANGUAGE ADJUSTMENT	36
UNPACKING THE PROJECTOR	5		
TRADEMARKS	5		
INSTALLATION	6-9	VIDEO MODE	37-39
NAME OF EACH PART OF THE PROJECTOR	6	COLOR SYSTEM SELECT	37
SETTING-UP THE PROJECTOR	7	VIDEO SOURCE SELECT	37
MOVING THE PROJECTOR	8	PICTURE IMAGE ADJUSTMENT	38
POWER REQUIREMENTS	9	PICTURE SCREEN ADJUSTMENT	39
CONNECTING THE PROJECTOR	10-21	COMPUTER MODE	40-49
TERMINAL OF THE PROJECTOR	10-11	COMPUTER SYSTEM SELECT	40
CONNECTING THE COMPUTER	12-19	COMPATIBLE COMPUTER SPECIFICATIONS	41
CONNECTING THE VIDEO EQUIPMENT	20-21	AUTO IMAGE FUNCTION	42
BEFORE OPERATION	22-31	PICTURE IMAGE ADJUSTMENT	43
CONTROLS AND INDICATOR	22-23	PICTURE POSITION ADJUSTMENT	44
OPERATION OF THE REMOTE CONTROL	24-28	PC ADJUSTMENT	45-48
WIRELESS REMOTE CONTROL UNIT	24-26	PICTURE SCREEN ADJUSTMENT	49
WIRELESS REMOTE CONTROL UNIT	27-28		
CONTROL THE PROJECTOR	29-31		
DIRECT OPERATION	29	OTHER FUNCTION SETTING	50-52
MENU OPERATION	30-31	BLUE BACK	50-51
BASIC OPERATION	32-51	DISPLAY	50-51
TURNING ON/OFF THE PROJECTOR	32	REVERSE T/B	50-51
DIRECT OPERATION	33-34	REVERSE L/R	50-51
MODE SELECT	33	SPLIT WIPE	50-51
SOUND VOLUME ADJUSTMENT	33	POWER MANAGEMENT	50-51
SOUND MUTE FUNCTION	33	USB (Mouse or Control)	50-51
ZOOM ADJUSTMENT	33	REMOTE CONTROL (Mode 1 or Mode 2)	50-51
FOCUS ADJUSTMENT	33	LAMP AGE	52
LENS SHIFT ADJUSTMENT	33		
DIGITAL ZOOM FUNCTION	34	APPENDIX	53-57
NORMAL PICTURE FUNCTION	34	MAINTENANCE	53-55
FREEZE PICTURE FUNCTION	34	TEMPERATURE WARNING INDICATOR	53
NO SHOW FUNCTION	34	AIR FILTER CARE AND CLEANING	53
		LAMP REPLACEMENT	54
		CLEANING THE LENS	55
		TROUBLESHOOTING	55-56
		TECHNICAL SPECIFICATIONS	57

FEATURES AND DESIGN

INTRODUCTION

The multimedia projector that combines powerful and sophisticated features with easy-to-use, intuitive controls. Built-in multimedia features include audio, a palette of 16.77 million colors and active matrix liquid crystal display (LCD) technology. The projector is ideal for high-performance business, training and imaging applications that demand exceptional color quality.

COMPATIBILITY

The projector is compatible with many different types of personal computers and video devices, including:

- IBM-compatible computers, including laptops, up to 1600 x 1200 resolution.
- Apple Macintosh and PowerBook computers up to 1600 x 1200 resolution.
- Various VCRs, video disc players, video cameras, DVD players, satellite TV tuners or other AV equipment using any of the worldwide video standards, including NTSC, NTSC4.43, PAL, PAL-M, PAL-N and SECAM.

IMAGE RESOLUTION

The resolution of the projector's projected image is 1280 x 1024. The projector displays computer images just as they appear on your computer's monitor. Screen resolutions between 1280 x 1024 and 1600 x 1200 are compressed to 1280 x 1024. The projector cannot display screen resolutions above 1600 x 1200. If your computer's screen resolution is higher than 1600 x 1200, reset it to a lower resolution before you connect the projector.

AUTOMATIC MULTISCANNING SYSTEM

This projector can detect display signals from most personal computers currently distributed. It is free from complicated adjustments to project picture images from PC.

SCREEN MODE

Screen display can be selected among:

Computer mode	— True, Digital zoom (Expand, Compress, Panning)
Video mode	— Regular (4:3), Wide (16:9)

MULTILANGUAGE

MENU DISPLAY is displayed with: English, German, French, Italian, Spanish and Japanese.

UNPACKING THE PROJECTOR

The projector comes with the parts listed below. Check to find all the parts are included. If any parts are missing, contact an authorized dealer or service station.

- Owner's Manual.
- Wireless Remote Control Unit.
- Remote Control Cable.
- Graphic Accelerator Board and its Software.
- VGA Cable.
- Mouse Cable for serial port.
- VGA/MAC Adapter.
- Lens Cover.
- AC Power Cord.
- Wireless/Wired Remote Control Unit.
- Batteries for Remote Control Units.
- Digital Flat Panel Cable.
- Mouse Cable for PS/2 port.
- Mouse Cable for ADB port.
- Protective Dust Cover

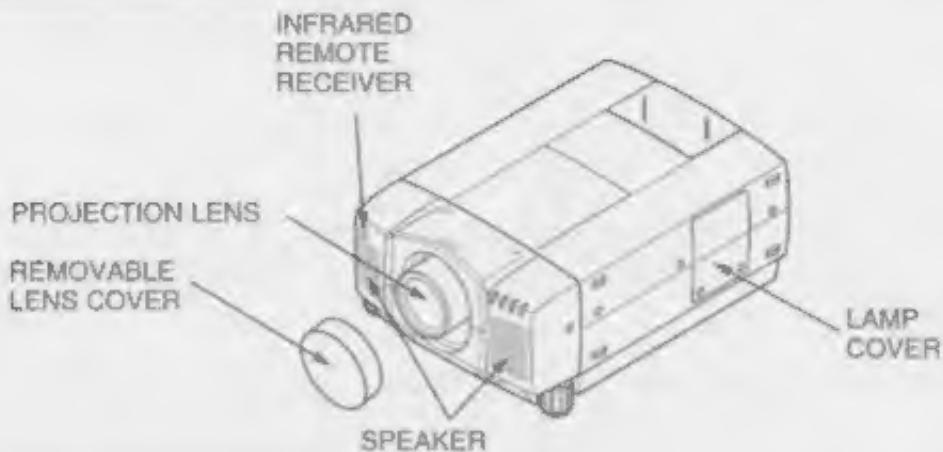
TRADEMARKS

- Apple, Macintosh, and PowerBook are trademarks or registered trademarks of Apple Computer, Inc.
- IBM and PS/2 are trademarks or registered trademarks of International Business Machines, Inc.
- Windows is a trademarks or registered trademarks of Microsoft Corporation.
- Other trademarks are the property of their respective owners.

INSTALLATION

NAME OF EACH PART OF THE PROJECTOR

FRONT OF THE PROJECTOR



REAR OF THE PROJECTOR

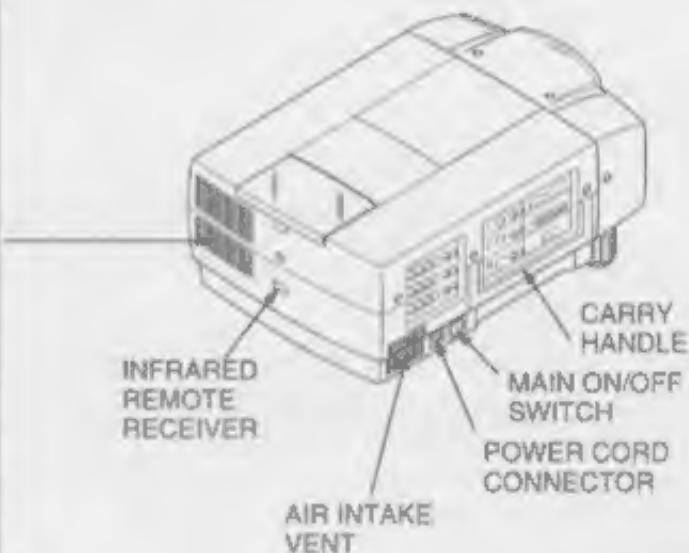
EXHAUST VENT



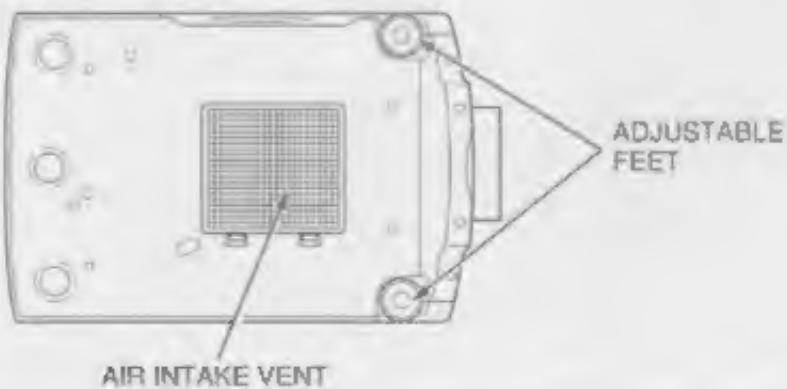
CAUTION HOT AIR!

Air blown from the exhaust vent is hot. Observe the following when handling your projector or choosing a location to install it.

- Keep heat-sensitive objects away from the exhaust port.
- If you set the projector on top of a metallic surface, the surface will become hot because of the hot air exhaust. Be careful when handling.
- Do not touch the cabinet near to the exhaust vent area, and especially screws and metallic parts. These parts will become hot while the projector is used.



BOTTOM OF THE PROJECTOR



SETTING-UP THE PROJECTOR

POSITIONING:

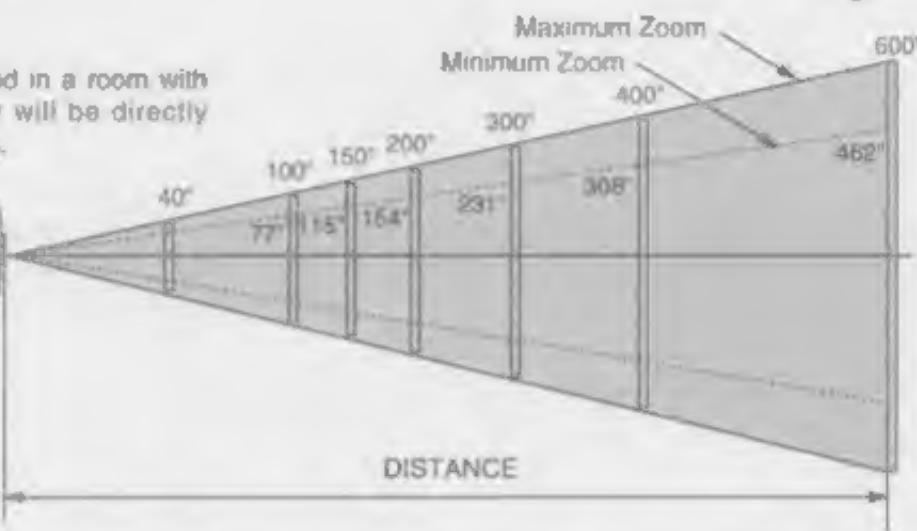
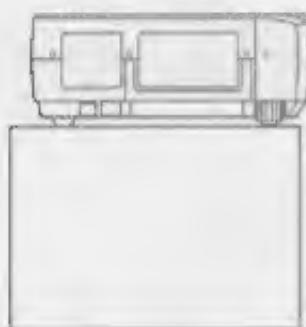
- This projector is basically designed to project on a flat projection surface.
- This projector can be focused from 4.9' (1.5 m) – 80.7' (24.6 m).
- Refer to the figure below as an example when positioning the projector to the screen.



THIS PROJECTOR SHOULD BE SET IN THE WAY INDICATED. NEVER HANG THE PROJECTOR, OR FALL DOWN ON ITS SIDE. IT MAY RESULT IN FIRE HAZARD.

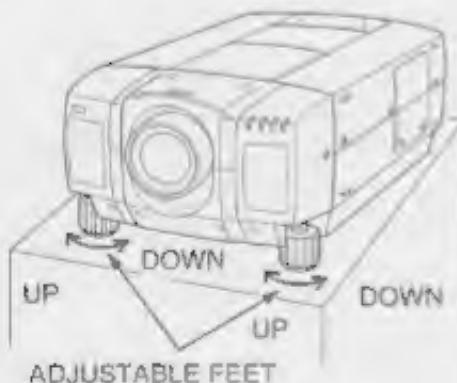
ROOM LIGHT

The projector should be placed in a room with limited light. Picture quality will be directly affected by lightning conditions.



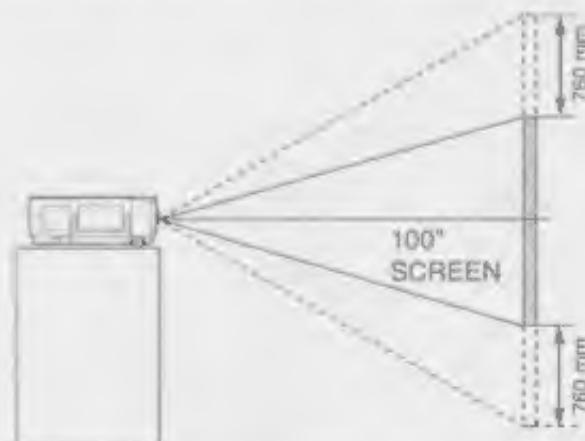
ADJUSTABLE FEET

Picture tilt and projection angle can be adjusted by twisting ADJUSTABLE FEET. Projection angle can be adjusted up to 4 degrees by rotating Adjustable Feet.



MOVE THE PROJECTED IMAGE POSITION

Adjust the projected image position (maximum 760mm downward or upward on the 100" screen) by using lens shift function. (See page 33.)



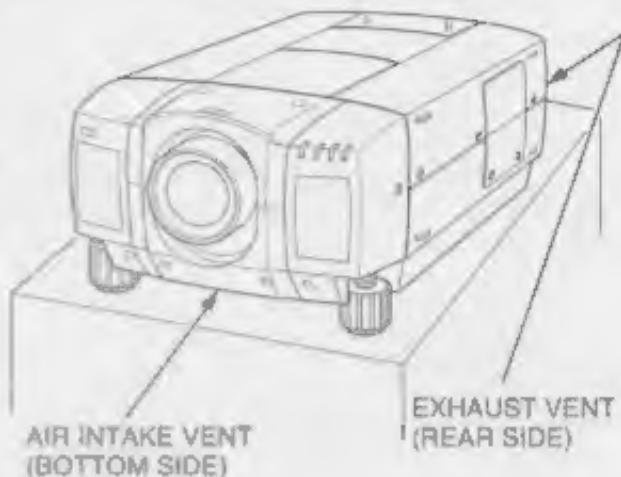
INSTALLATION

VENTILATION

This projector is equipped with a cooling fan to protect it from overheating. Pay attention to the following to ensure the ventilation and avoid a possible risk of fire and malfunction.



- Do not cover the vents with papers or other materials.
- Keep the rear grill at least 3.3' (1m) away from any object.
- Make sure that there are no objects under the projector.
An object under the projector may prevent the projector from taking the cooling air through the bottom vent.



MOVING THE PROJECTOR



- Use the carry handle when moving the projector.
- Replace the lens cover and rotate the adjustable feet fully clockwise.



CAUTION IN CARRYING OR TRANSPORTING THE PROJECTOR

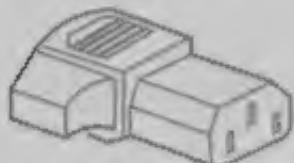
- Do not drop or give a shock to the projector, otherwise damage or malfunction may result.
- When carrying the projector, use a Eiki recommended Carrying Case.
- Do not transport the projector by using a courier or transport service in an unsuitable transport case. This may cause damage to the projector. To transport the projector through a courier or transport service, use a Eiki recommended Case.
- For a carrying or transportation cases, contact a Eiki authorized dealer.

POWER REQUIREMENTS

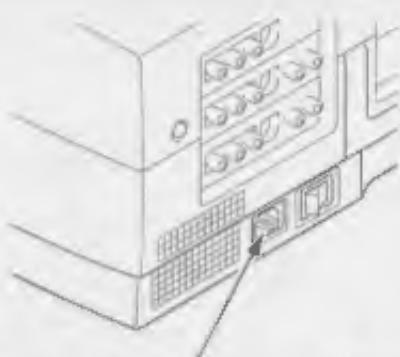
Your projector uses nominal input voltages of 100-120 VAC. The projector automatically selects the correct input voltage. The projector is designed to work with single-phase power systems having a grounded neutral conductor. To reduce the risk of electrical shock, do not plug into any other type of power system.

Consult your authorized dealer or service station if you are not sure what type of power is supplied to your building.

Projector side (Female)



AC outlet side (Male)

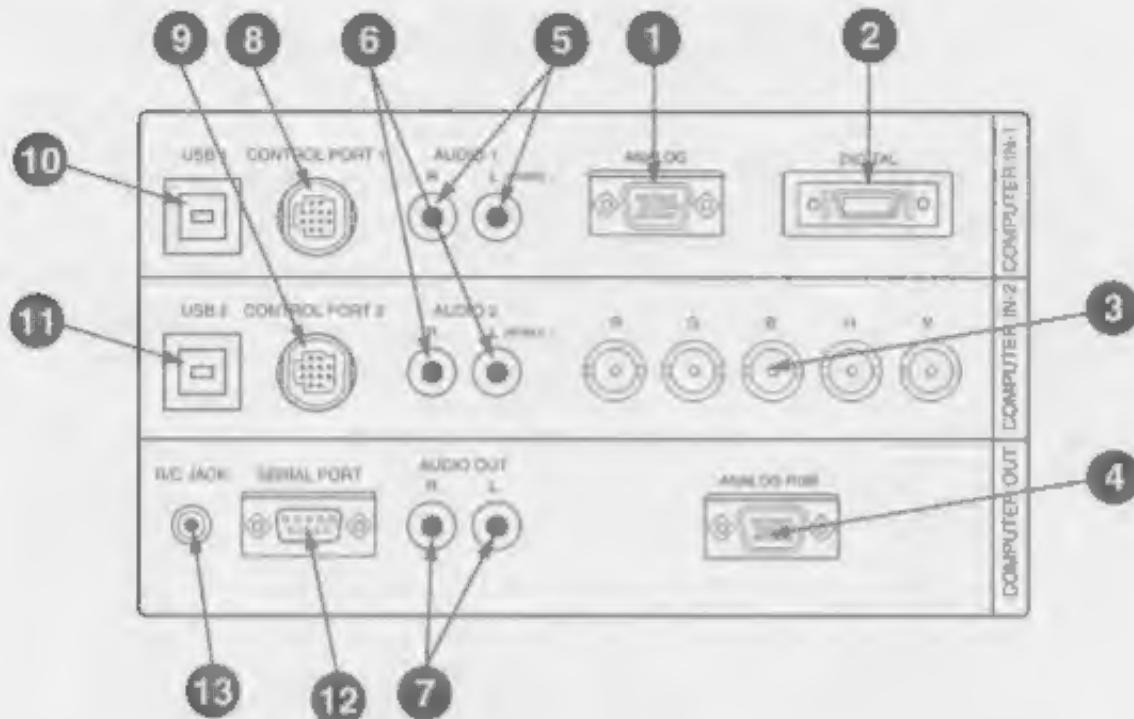


Connect the AC power supply cord (supplied) to the projector. The socket-outlet must be near this equipment and must be easily accessible.

CONNECTING THE PROJECTOR

TERMINAL OF THE PROJECTOR

SIDE OF THE PROJECTOR (CONNECT THE COMPUTER)



1 COMPUTER INPUT-1 TERMINAL (ANALOG HDB 15-PIN)

Used to connect a computer to the projector.

2 COMPUTER INPUT-1 TERMINAL (DIGITAL MDR 20-PIN)

Used to connect a computer to the projector.

3 COMPUTER INPUT-2 JACKS (BNC TYPE x 5)

Used to connect a computer to the projector.

4 MONITOR OUTPUT TERMINAL (ANALOG HDB 15-PIN)

Used to connect a monitor to the projector.

5 COMPUTER AUDIO INPUT-1 JACKS (R and L)

Used to connect an audio output from the computer to the projector.

6 COMPUTER AUDIO INPUT-2 JACKS (R and L)

Used to connect an audio output from the computer to the projector.

7 AUDIO MONITOR OUTPUT JACKS (R and L)

Used to connect an audio input from audio equipment to the projector.

8 CONTROL PORT-1 CONNECTOR

Used to connect a mouse cable to the projector.

9 CONTROL PORT-2 CONNECTOR

Used to connect a mouse cable to the projector.

10 USB PORT-1 CONNECTOR

Used to connect a computer to the projector.

11 USB PORT-2 CONNECTOR

Used to connect a computer to the projector.

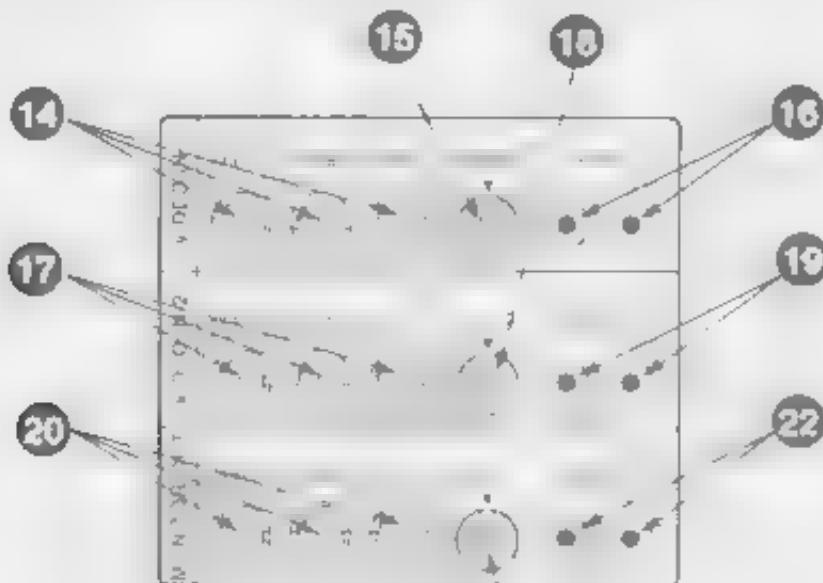
12 SERIAL PORT TERMINAL (DB9)

Used to connect a computer to the projector.

13 WIRED REMOTE JACK

When using the wired remote control, connect the remote cable to this jack.

SIDE OF THE PROJECTOR (CONNECT THE VIDEO EQUIPMENT)



14 VIDEO INPUT JACKS-1 (BNC TYPE x 3)

Used to connect a video source to the projector.

15 S-VIDEO INPUT JACK

Used to connect a VHS video source to the projector.

16 AUDIO INPUT JACKS-1 (R and L)

Used to connect a VHS video source to the projector.

17 VIDEO INPUT JACKS-2 (BNC TYPE x 3)

Used to connect a video source to the projector.

18 S-VIDEO INPUT JACK-2

Used to connect a S-VHS video source to the projector.

19 AUDIO INPUT JACKS-2 (R and L)

Used to connect a VHS video source to the projector.

20 VIDEO MONITOR OUTPUT JACKS (BNC TYPE x 3)

Used to connect a VHS video source to the projector.

21 VIDEO MONITOR (S-VIDEO) OUTPUT JACK

Used to connect a VHS video source to the projector.

22 AUDIO MONITOR OUTPUT JACKS (R and L)

Used to connect a VHS video source to the projector.

CONNECTING TO THE MONITOR OUTPUT TERMINAL (ANALOG HDB 15-PIN)

This port outputs the information the screen right, the projector image of the screen. Computer 1 or Computer 2 When video source video 1 or video 2 is connected to a monitor, it outputs information.

An external monitor can be connected to the monitor output terminal.

- Connect the monitor to this terminal using the cable.



Pin No./Signal	Pin No./Signal
1 Red input	9 Non Connect
2 Green input	10 Ground (Vert sync)
3 Blue input	11 Sense 0
4 Sense 2	12 Sense 1
5 Ground (Honz sync)	13 Honz sync
6 Ground (Red)	14 Vert sync
7 Ground (Green)	15 Reserved
8 Ground (Blue)	

CONNECTING TO THE AUDIO MONITOR OUTPUT (VARIABLE) JACKS

The projector has two audio output jacks. The left jack is for the left channel and the right jack is for the right channel.

Use RCA type audio for connection.

- Connect the projector's left audio output jack to the left channel of the monitor's audio input jacks.
- Connect the projector's right audio output jack to the right channel of the monitor's audio input jacks.

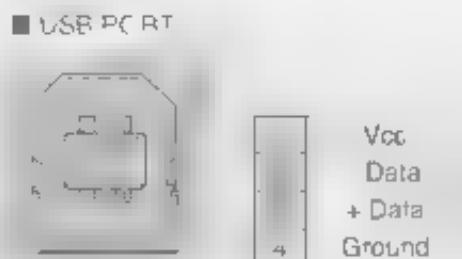
CONNECTING TO THE SERIAL PORT (DB 9 PIN) TERMINAL

- Connect the serial port of your computer to this terminal.

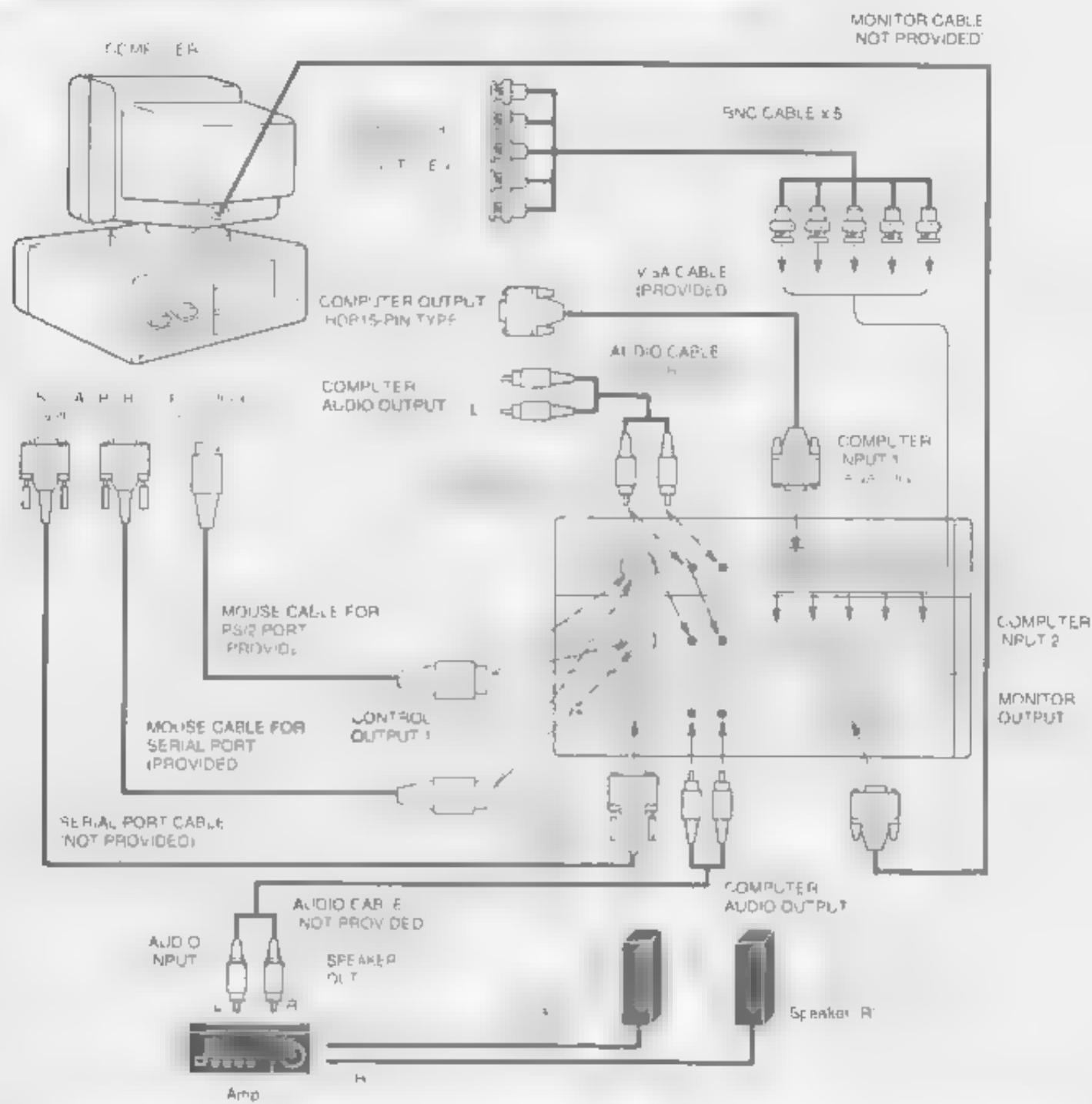


CONNECTING TO THE USB PORT CONNECTORS (1 and 2)

The projector has two USB port connectors for the connection of the computer to the projector.



CONNECTING AN IBM COMPATIBLE DESKTOP COMPUTER

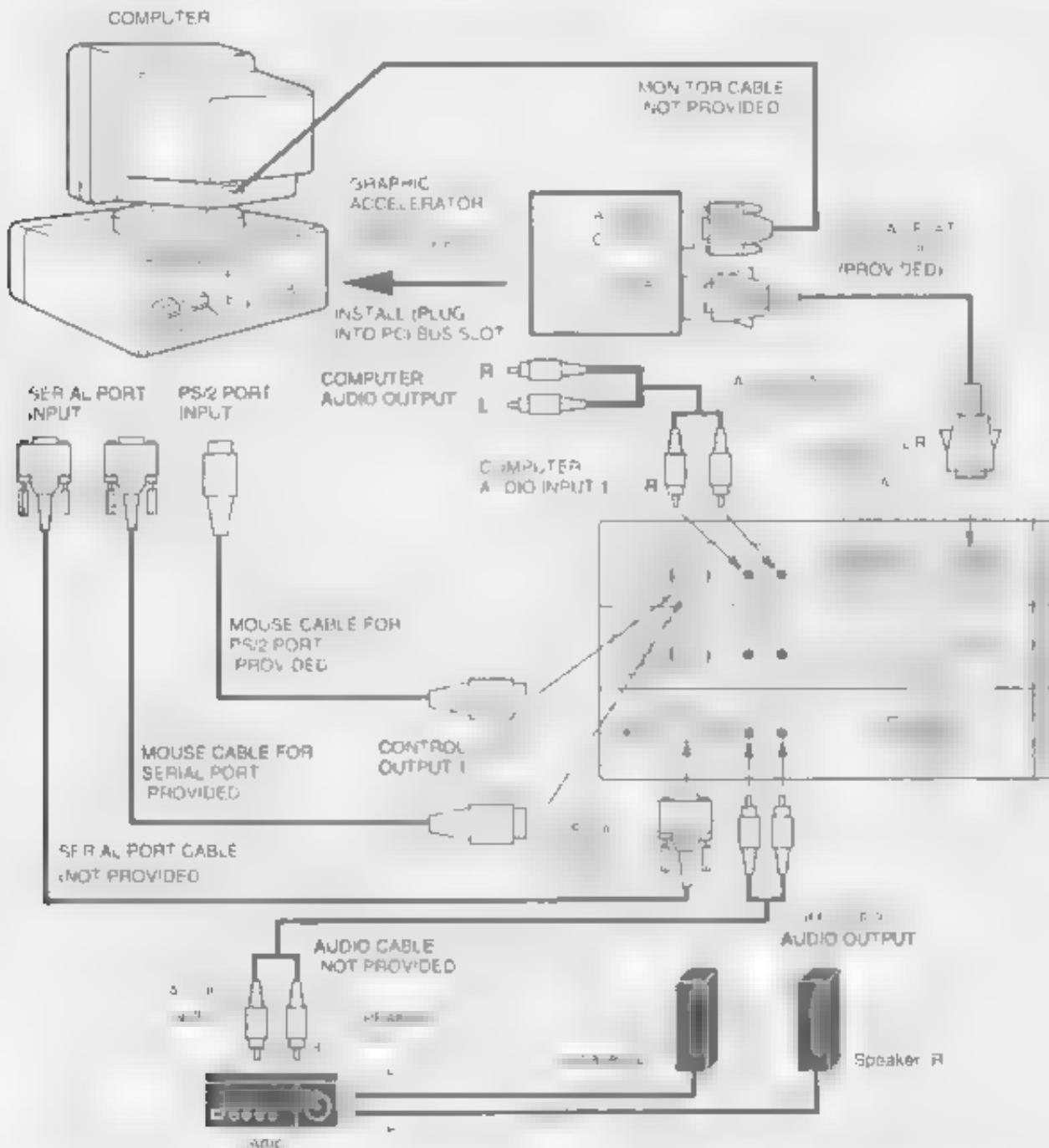


NOTE When connecting the battery, the AC line cord should be disconnected from AC. The T2000 will not function if the AC line cord is connected to AC while the T2000 is switched on.

CONNECTING AN IBM-COMPATIBLE DESKTOP COMPUTER (DIGITAL INPUT CONNECTION)

NOTE:

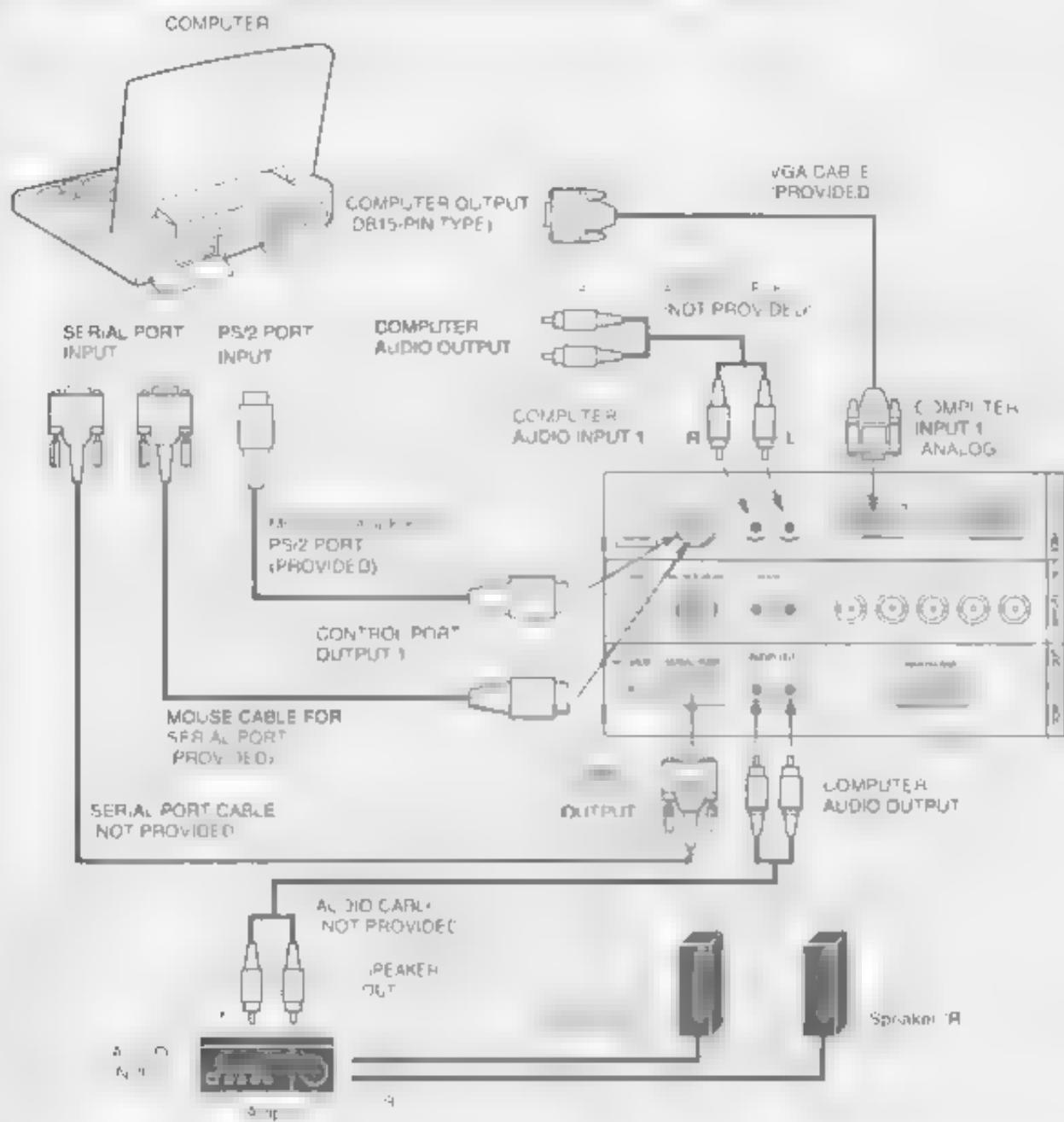
Before using with digital connection, install (Plug in) Graphic Accelerator Board (included within projector) into PCI bus slot of the computer and set up the computer following instructions in the Graphic Accelerator Board package.



NOTE: When connecting the cable, the power is on for the computer and the external equipment should be disconnected from AC power. Turn the computer and graphic accelerator on before the computer is switched on.

CONNECTING THE PROJECTOR

CONNECTING AN IBM COMPATIBLE LAPTOP COMPUTER

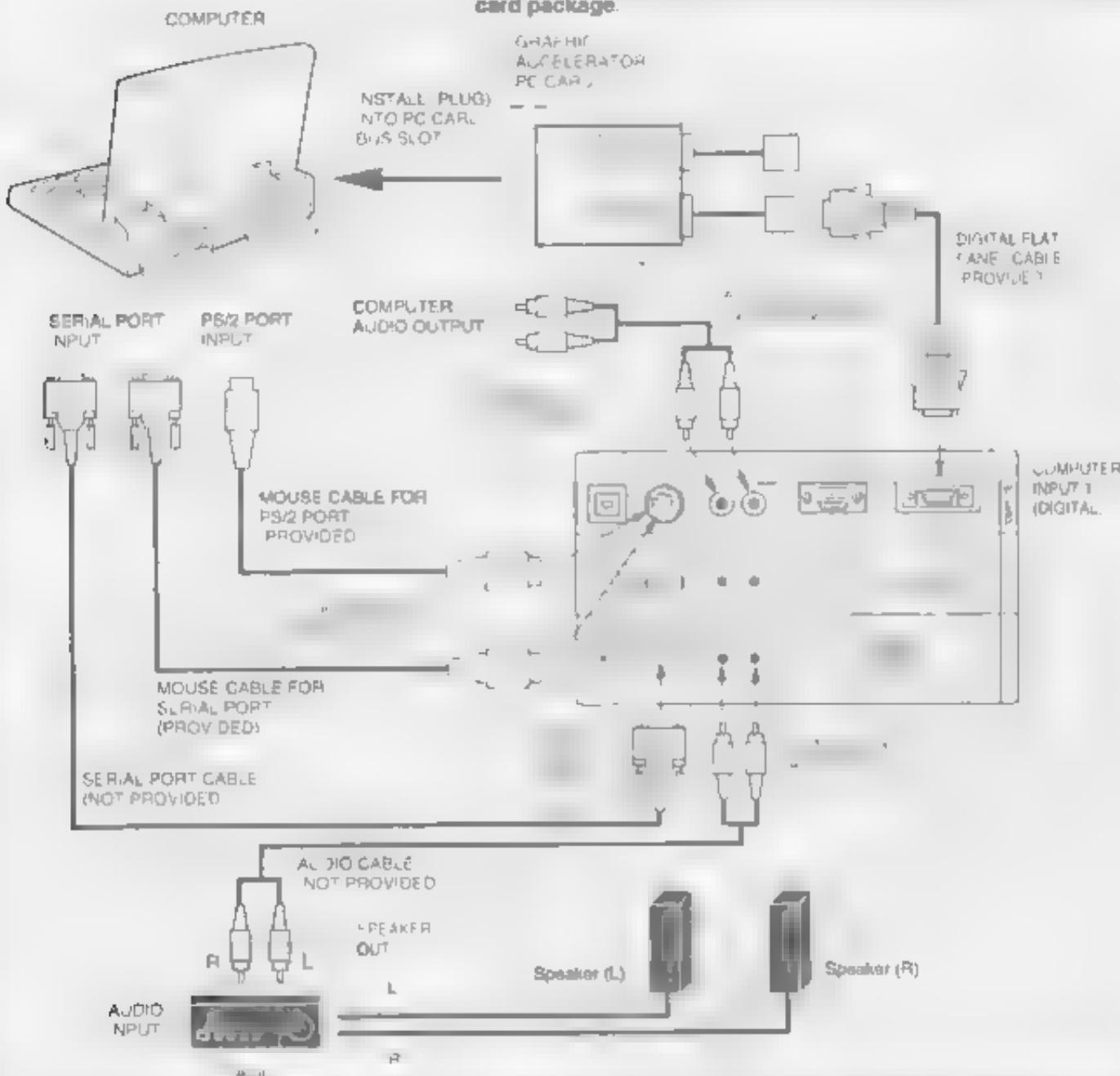


NOTE When connecting the projector to a computer, turn off the projector and the computer equipment should be disconnected from AC outlet. Turn on the projector and the computer equipment after the projector is switched on.

CONNECTING AN IBM-COMPATIBLE LAPTOP COMPUTER (DIGITAL INPUT CONNECTION)

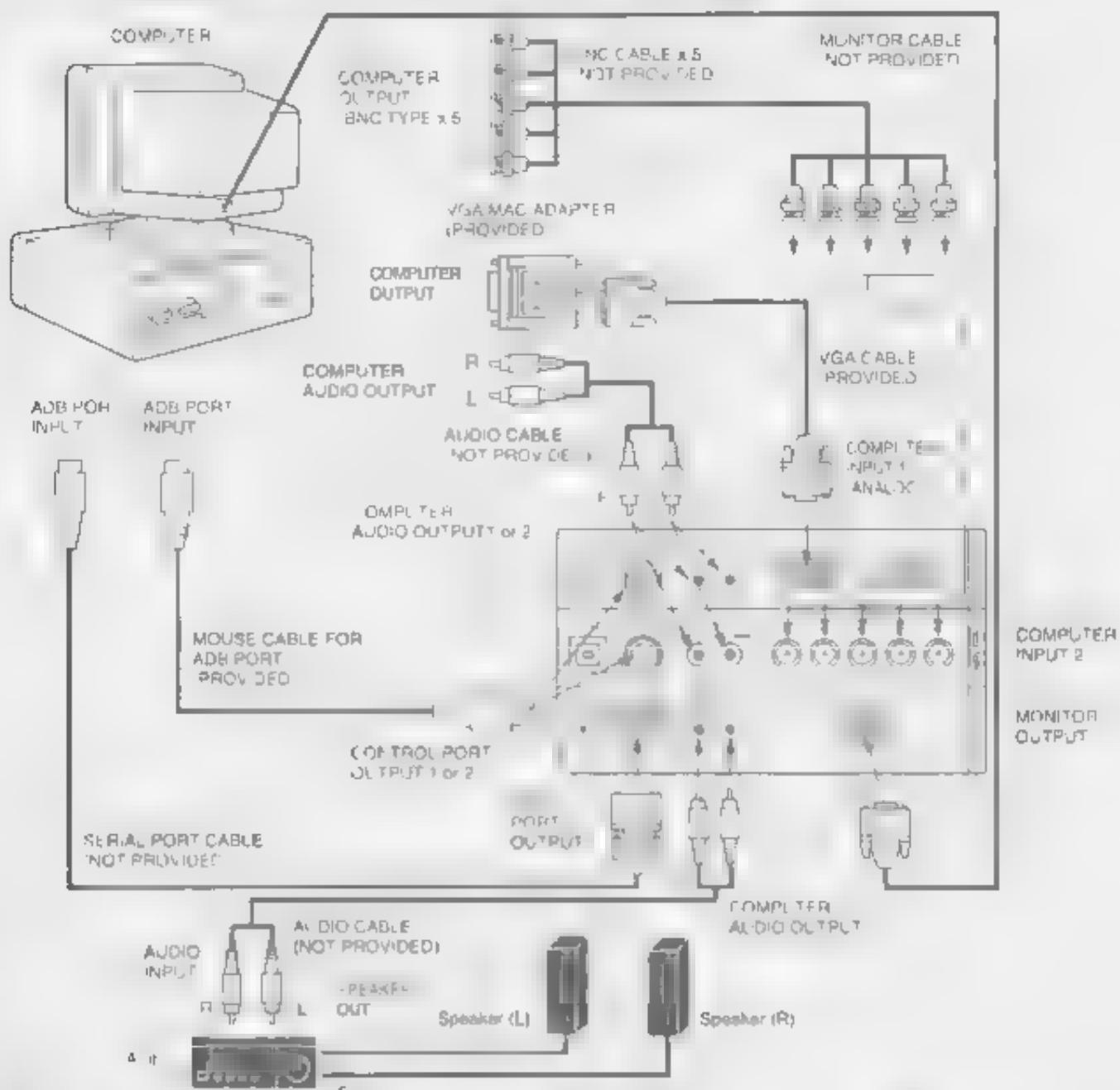
NOTE. This connection need optionally saved Graphic Accelerator PC card (GA-SM02P2/CB). For this information, contact to your authorized dealer.

Before using with digital connection, install (Plug in) Graphic Accelerator PC card into card bus slot of the computer and set up the computer following instructions in the Graphic Accelerator PC card package.

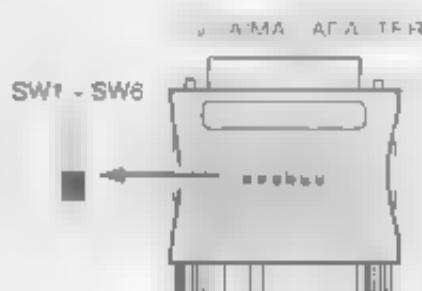


CONNECTING THE PROJECTOR

CONNECTING A MACINTOSH DESKTOP COMPUTER

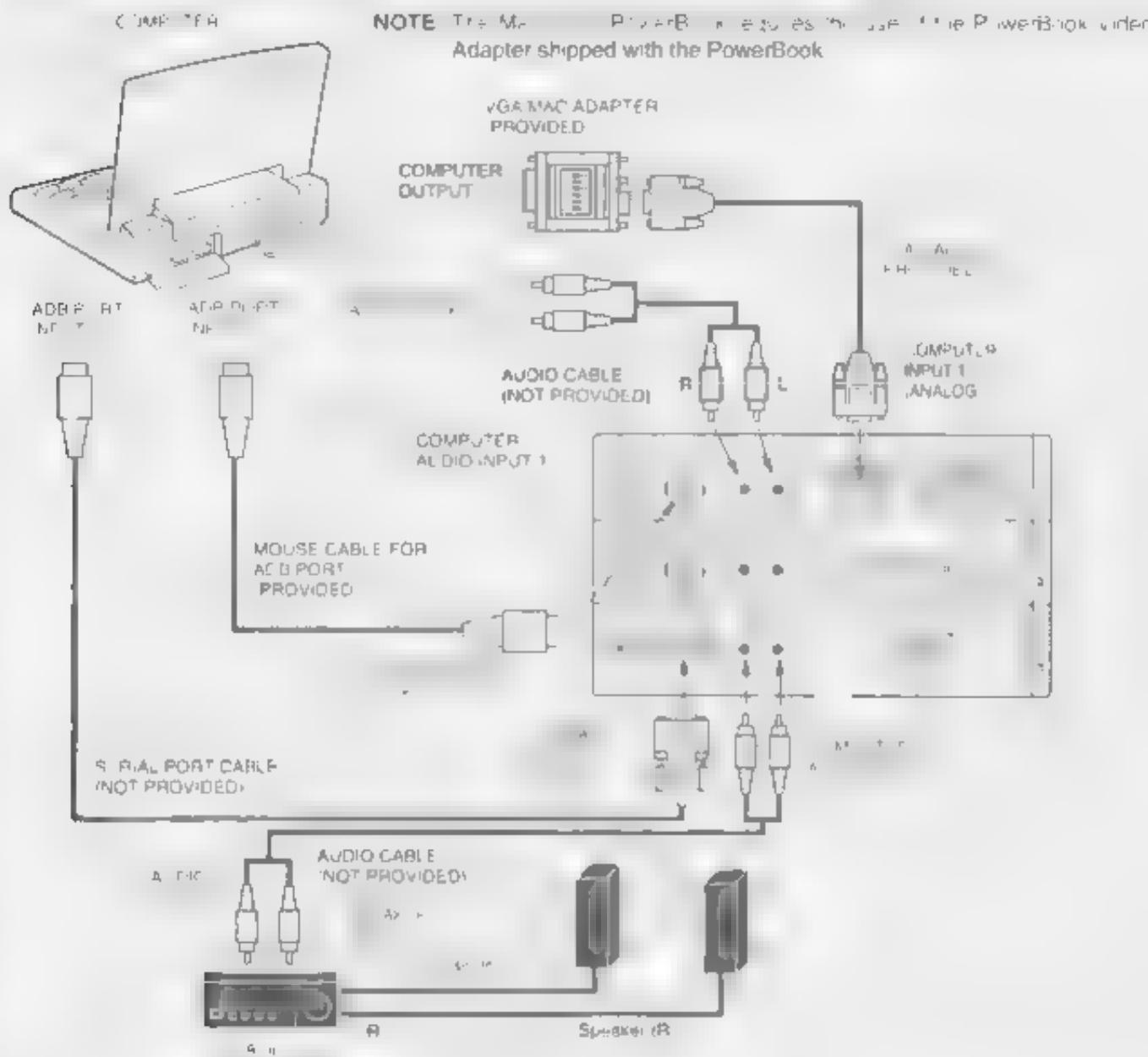


In the **POWER** > **SETUP** > **RESOLUTION** menu, select the **RESOLUTION MODE** that you want to use before you turn on the projector and computer.

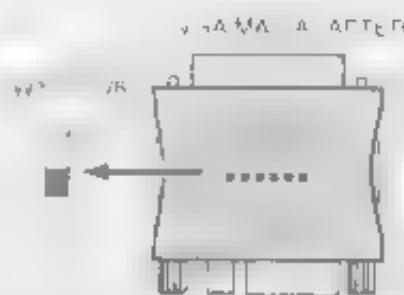


NOTE When operating the above system, the power source and the external equipment should be disconnected from the system. Turn off the power source and the external equipment before performing any switch operation.

CONNECTING A MACINTOSH POWERBOOK COMPUTER



Set the dip switches as shown in the table below depending on the RESOLUTION MODE being used on the projector and computer.



NOTE When operating the site below 10°C, the use of external equipment should be discontinued except for AC line Test and a brief period before the computer is switched on.

CONNECTING THE VIDEO EQUIPMENT

CONNECTING TO THE VIDEO INPUT JACKS (1 and 2) BNC TYPE x 3

Connect to the video output of VCR or other AVE equipment. Connect video output of AVE equipment to the projector's VIDEO INPUT JACKS.

The video input is a BNC type. It is COLOR (TYPE C) to create S-VIDEO and COMPONENT VIDEO (Y, Cb (B-Y), Cr (R-Y)).

Set **S-VIDEO** or **COMPONENT** in **VIDEO SOURCE** in **INPUT** menu. (See **INPUT** operation on page 37)

CONNECTING S VHS VIDEO INPUT JACKS (1 and 2)

The S-VIDEO input is a black 4-pin mini DIN. It has separate Y (Video) and Cb/Cr (Blue/Red) signals.

CONNECTING TO THE AUDIO INPUT JACKS (1 and 2)

Connect the audio output of VCR or other AVE equipment. Use RCA type audio cable for connection.

- If the external audio signal is stereo, connect it to the right and left audio input jacks.
- If the external audio signal is monaural, connect it to the left jack.

CONNECTING TO THE VIDEO MONITOR OUTPUT JACKS (BNC TYPE x 3)

The projector has three BNC type video output jacks. You can connect the projector to three monitors. You can also connect the projector to a VCR or other AVE equipment. Use BNC cable for connection.

CONNECTING TO THE S VHS VIDEO MONITOR OUTPUT JACK

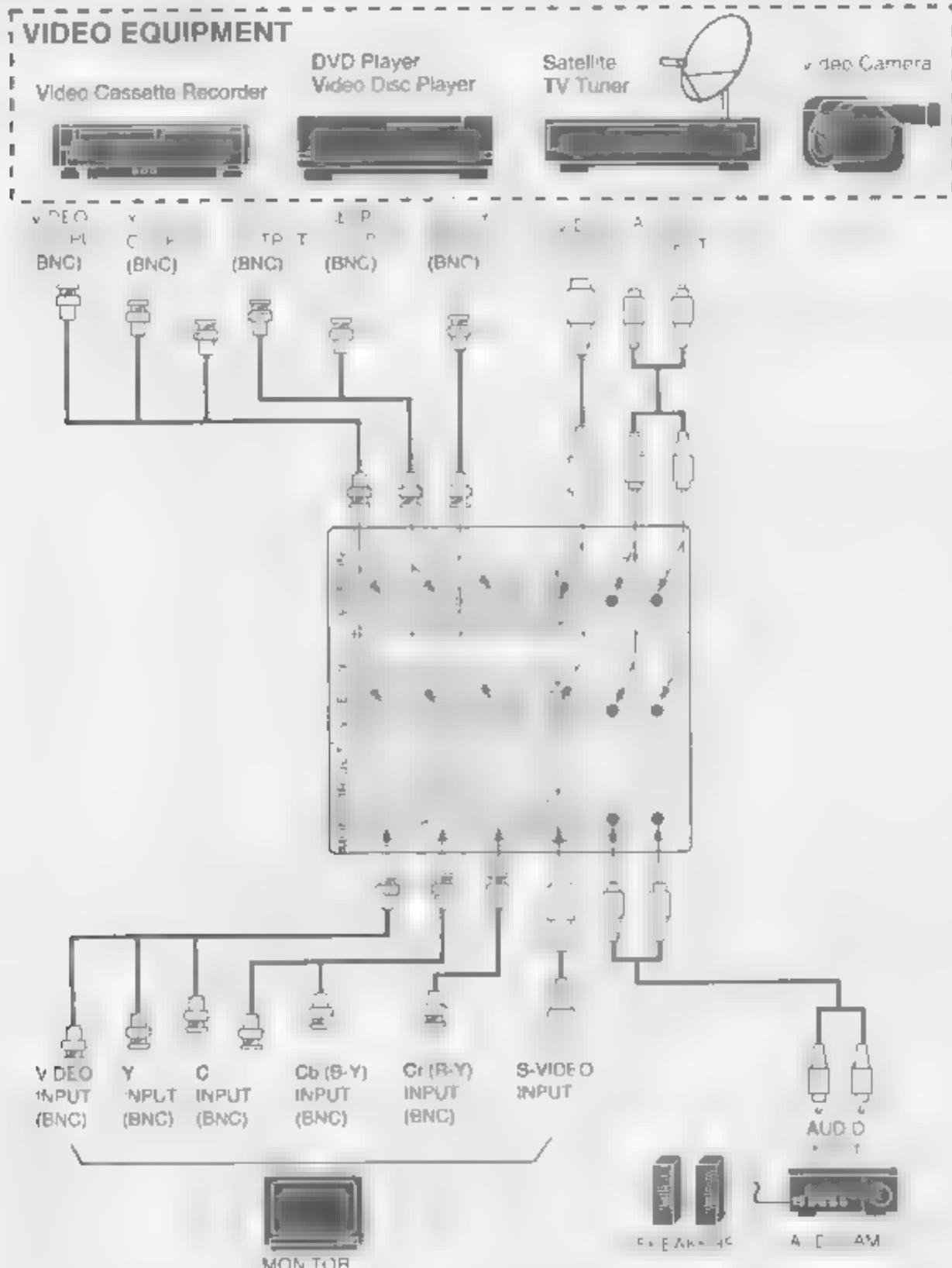
The projector has one S-VIDEO output jack. You can connect the projector to one monitor.

CONNECTING TO THE AUDIO MONITOR OUTPUT JACKS

The projector has two RCA type audio output jacks. You can connect the projector to two monitors. You can also connect the projector to a VCR or other AVE equipment. Use RCA type audio cable for connection.

- If the audio input of the monitor is stereo, connect it to the right and left jacks.
- If the audio input of the audio equipment is monaural, connect it to the left jack.

CONNECTING THE VIDEO EQUIPMENT



NOTE When connecting the cables, be sure to turn off the projector and the external equipment should be disconnected from AC. Use the Test pattern to select the correct equipment when it is switched on.

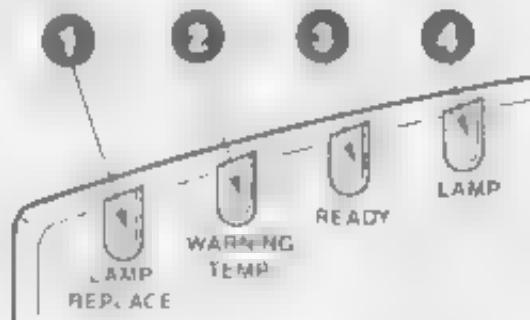
BEFORE OPERATION

CONTROLS AND INDICATORS

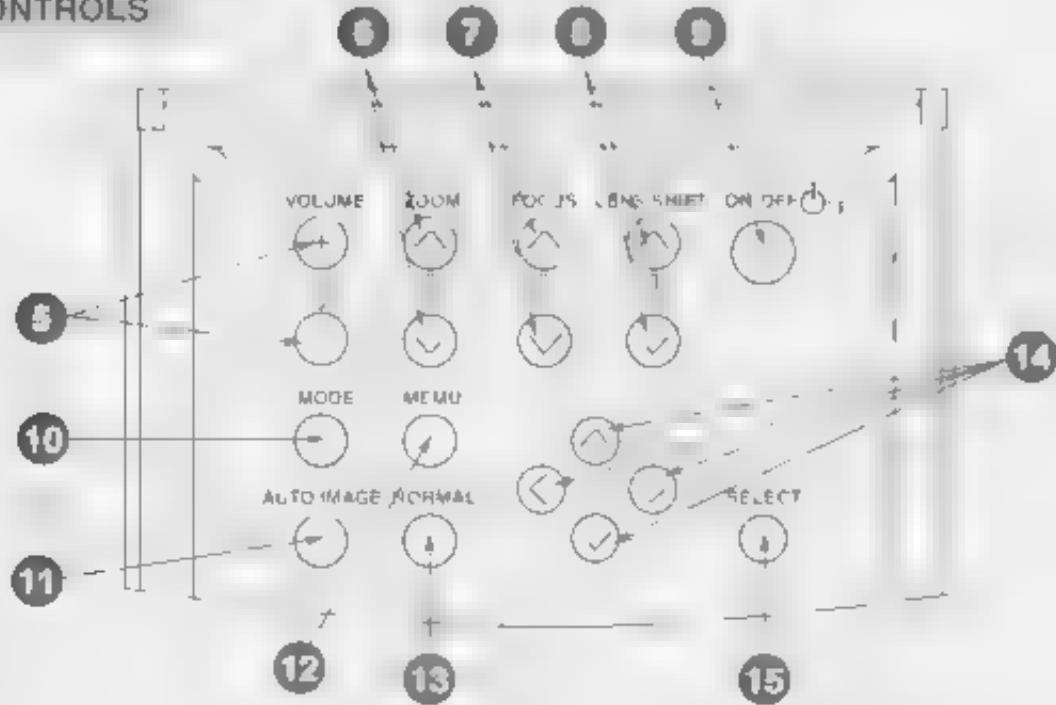
FRONT INDICATORS



FRONT INDICATORS



TOP CONTROLS



1 LAMP REPLACEMENT INDICATOR

Light is orange when the Lamp life draws to an end

2 TEMPERATURE WARNING INDICATOR

Flashes red when internal projector temperature is too high

3 READY INDICATOR

Light is green when projector lamp is ready to be turned on

4 LAMP POWER INDICATOR

Light is dim when the projector is on

Light is brightened when the projector is in stand-by mode

5 VOLUME BUTTONS

Used to adjust volume

6 ZOOM BUTTONS

Used to operate power zoom lens

7 FOCUS BUTTONS

Used to operate power focus system

8 LENS SHIFT BUTTONS

Used to operate power lens shift

9 POWER ON/OFF BUTTON

Used to turn the projector on or off

10 MODE BUTTON

Used to select source

(Computer 1, Computer 2, Video 1 or Video 2 Input)

11 AUTO IMAGE BUTTON

Used to operate the AUTO IMAGE function

12 MENU BUTTON

This button will activate the MENU operation

This button has a function to change the projector's setting in the projector's setting in MENU operation

13 NORMAL BUTTON

Used to reset to normal picture adjustment preset by factory

14 POINT UP/DOWN/LEFT/RIGHT BUTTONS

This button has a function to change the projector's setting in the projector's setting in MENU operation

(UP DOWN LEFT or RIGHT)

15 SELECT BUTTON

This button has a function to change the projector's setting in the projector's setting in MENU operation

OPERATIONS IN THE REMOTE SUPPORT

WIRELESS REMOTE CONTROL UNIT

This remote control unit is not only able to operate the projector but also usable for wireless mouse operation.

Wireless mouse is usable when PC mouse pointer is displayed on the screen. When the menu or indicator of the projector is displayed on the screen instead of the PC mouse pointer, the wireless mouse cannot be used.

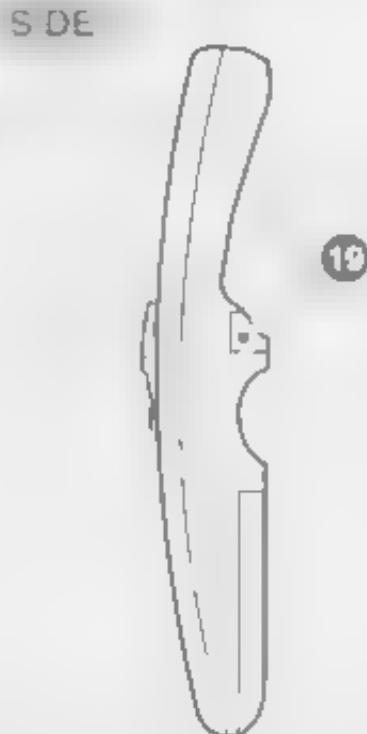
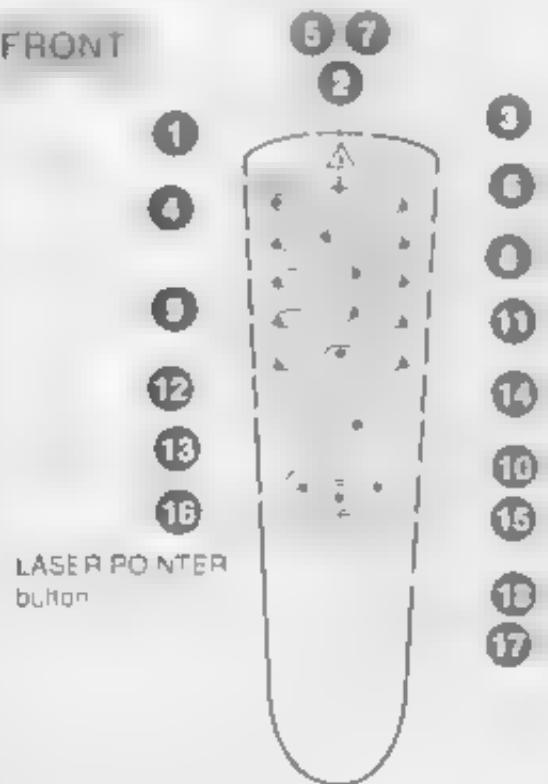
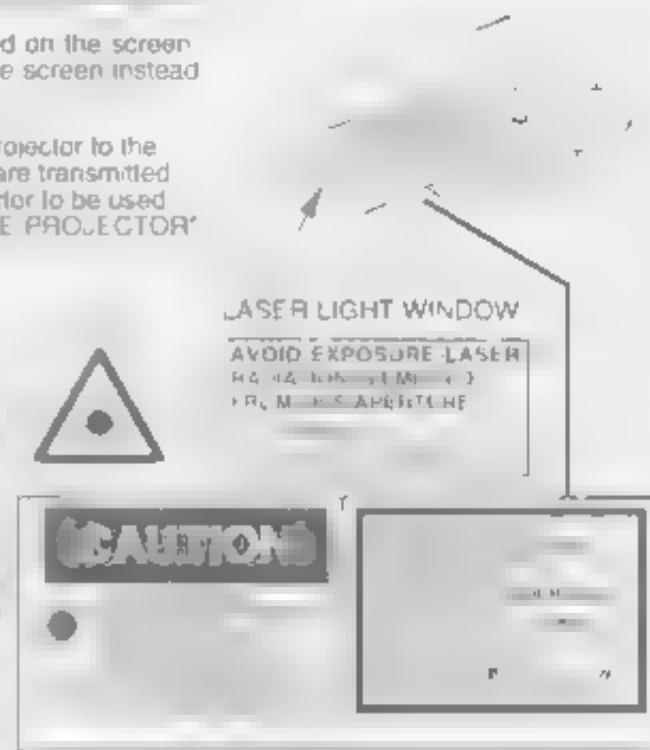
NOTE: To use the unit as a PC wireless mouse, connect the projector to the PC with the attached cable. Signals from the projector are transmitted to the PC enabling the remote control unit of the projector to be used as a PC wireless mouse. (Refer to "CONNECTING THE PROJECTOR" in pages 14 to 19 for the connection.)

LASER POINTER button

Laser light is emitted with the RED light which tells the laser

other people. The three marks to the right are the caution labels for the laser beam.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



1 COMPUTER SELECT BUTTON

Used to select computer mode (Computer 1 or Computer 2 Input)

2 VIDEO SELECT BUTTON

Used to select video mode (Video 1 or Video 2 Input)

3 POWER ON/OFF BUTTON

Used to turn the projector on or off

4 VOLUME BUTTONS

Used to adjust volume

5 ZOOM BUTTON

Used to select power zoom lens adjust

6 P-TIMER BUTTON

Used to operate the P-TIMER function

7 FOCUS BUTTON

Used to select focus adjust

8 FREEZE/NO SHOW BUTTON

Used to freeze on-screen image or change the screen into black image

9 SOUND MUTE BUTTON

Used to mute sound

10 LENS SHIFT BUTTON

Used to select power lens shift

11 CURSOR BUTTON

Used to display CURSOR on the screen

12 AUTO IMAGE BUTTON

Used to operate the AUTO IMAGE function

13 MENU BUTTON

Used to enter the menu mode. The menu mode can be exited by pressing the MENU button. The menu mode can be entered again by pressing the MENU button again.

14 NORMAL BUTTON

Used to reset to normal picture adjustment preset by factory

15 POINTING PAD (POINT UP/DOWN/LEFT/RIGHT BUTTON)

When in use as a remote for the projector

Used to enter the menu mode. The menu mode can be exited by pressing the NORMAL button. The menu mode can be entered again by pressing the NORMAL button again.

Used to operate the power on/off system. Power on/off key press & hold either upward or downward

When in use as a wireless mouse

Used to move the cursor. The pointing pad has the same function as the left button in a PC mouse.

16 LASER BUTTON

When this button is pressed the laser beam will be emitted from the front of the projector.

17 FRONT CLICK BUTTON

When in use as a remote for the projector

Used to compress the image in D ZOOM mode

When in use as a wireless mouse

This button has the same function as the right button in a PC mouse

18 DIGITAL ZOOM BUTTON

Used to select digital zoom function

19 SELECT (REAR CLICK) BUTTON

When in use as a remote for the projector

This button has different function depending on the usage. The button is used to execute the item selected to increase or decrease the values in certain parameters as CONTRAST or BRIGHTNESS.

When in use as a wireless mouse

This button has the same function as the left button in a PC mouse

BEFORE OPERATION

Remote Control Battery Installation

1 Remove the battery cover

Push the tab and slide the cover off.

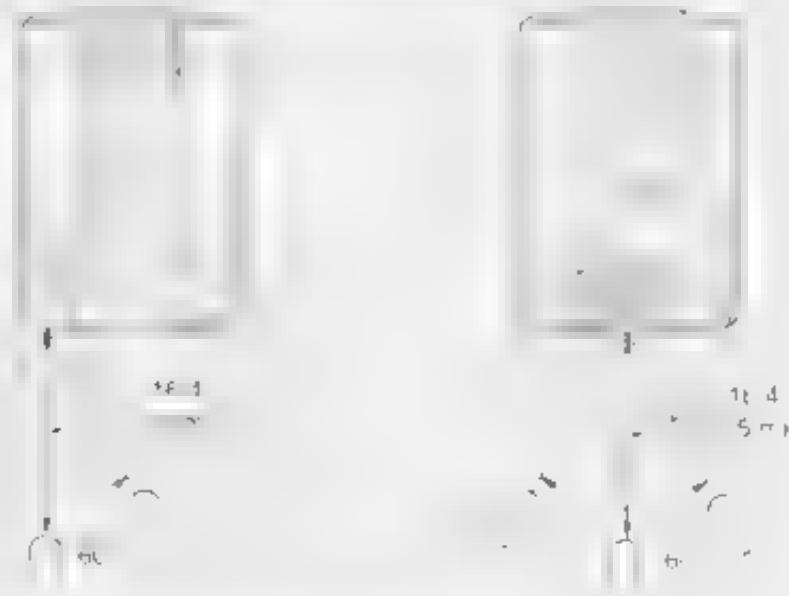
2 Insert batteries into the compartment

Note For correct polarity (+ and - terminal), be sure the battery terminals are in contact with the pins in the compartment.

3 Replace the cover

Using the Remote Control Unit

Point the remote control unit at the receiver. Remote control range is up to 10 m. Maximum operating range for remote control is about 4 m. Do not use in direct sunlight.



To ensure safe operation, please observe the following points:

- Use (2) AA type alkaline batteries
- Change two batteries at the same time
- Do not use a new battery with a used battery
- Avoid contact with water
- Do not drop the remote control unit
- If batteries have leaked on the remote control, carefully wipe the case clean and load new batteries

WIRELESS/WIRED REMOTE CONTROL UNIT

1 WIRED REMOTE JACK

When using the wired remote control, connect the remote cable to this jack.

2 COMPUTER SELECT BUTTON

Used to select computer mode (Computer 1 or Computer 2 Input).

3 VIDEO SELECT BUTTON

Used to select video mode (Video 1 or Video 2 Input).

4 POWER ON/OFF BUTTON

Used to turn projector on or off.

5 VOLUME BUTTONS

Used to adjust volume.

6 ZOOM BUTTONS

Used to operate power zoom lens.

7 FOCUS BUTTONS

Used to operate power focus system.

8 SOUND MUTE BUTTON

Used to mute sound.

9 LENS SHIFT BUTTONS

Used to operate power lens shift.

10 P-TIMER BUTTON

Used to operate the P-TIMER function.

11 AUTO IMAGE BUTTON

Used to operate the AUTO IMAGE function.

12 MENU BUTTON

This button will activate the MENU operation.

Use this button, the POINT UP/DOWN/LEFT/RIGHT buttons and the SELECT button to make changes in the projector's setting in MENU operation.

13 POINT UP/DOWN/LEFT/RIGHT BUTTONS

To select a item in the MENU and to want to adjust. To want to move the arrow by pressing these buttons, UP/DOWN/LEFT/RIGHT.

14 FREEZE/NO SHOW BUTTON

Used to freeze on screen image or change the screen to black image.

15 SELECT BUTTON

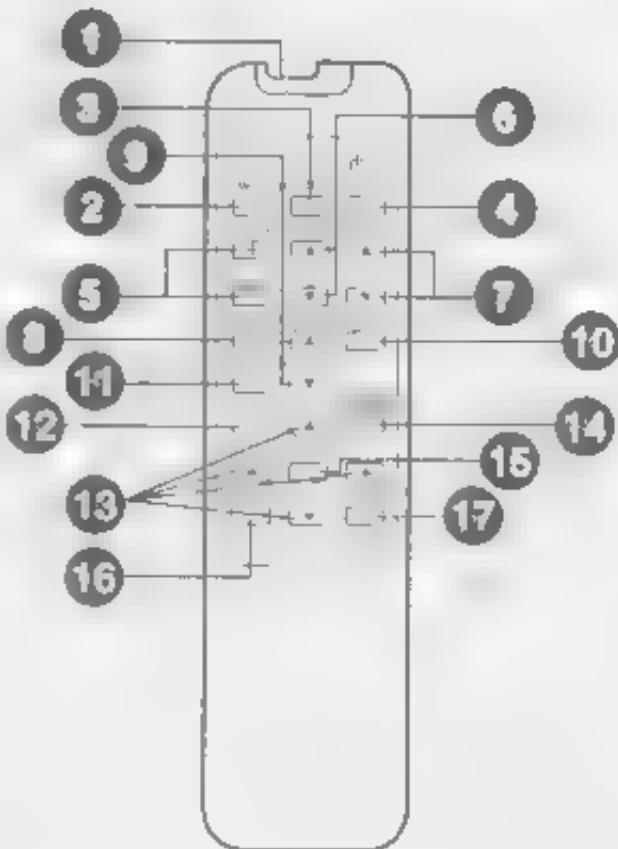
This button has different functions depending on what menu is used to execute the item selected. If increase or decrease the values in certain menu as CONTRAST, BRIGHTNESS.

16 DIGITAL ZOOM BUTTON

Used to select digital zoom function.

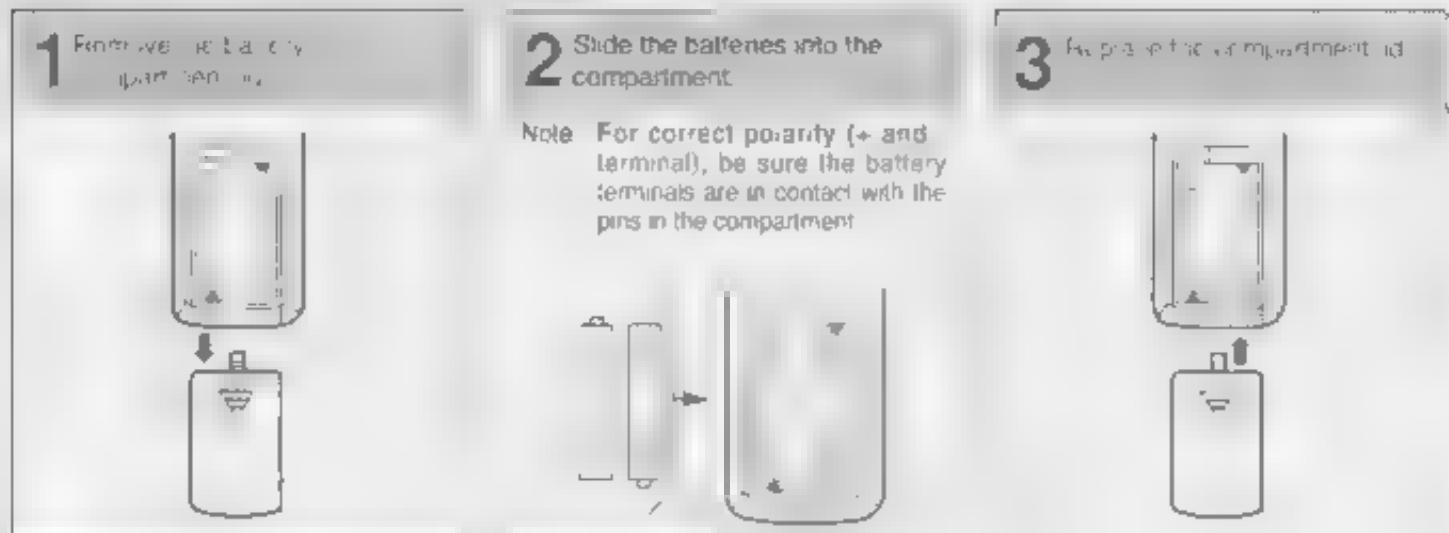
17 NORMAL BUTTON

Used to reset to normal picture adjustment preset by factory.



BEFORE OPERATION

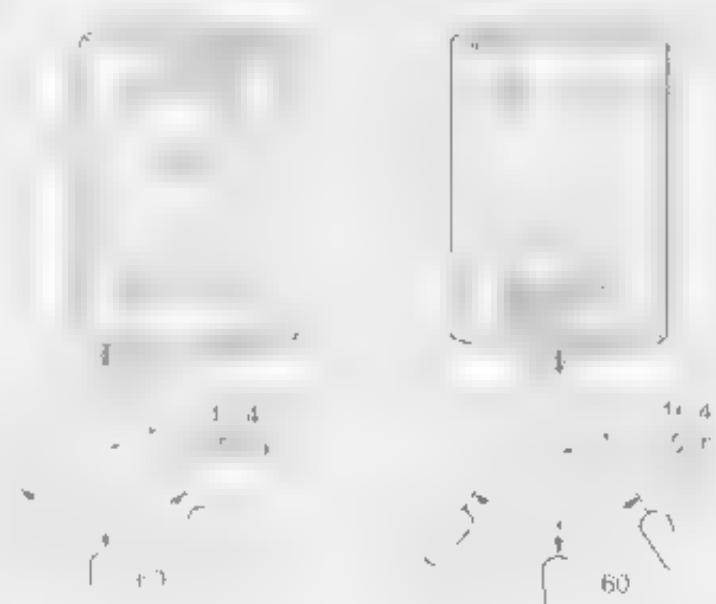
Remote Control Battery Installation



The remote control unit can be used as wireless or wired remote control.

Using the Remote Control Unit (wireless)

Point the remote control toward the projector (Receiver window) whenever pressing the buttons. Maximum operating range for the remote control is about 16.4' (5m) and 60° front and rear of the projector.



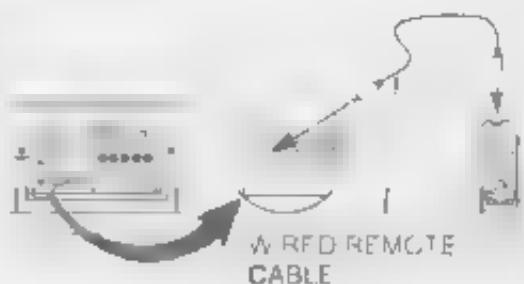
Using the Remote Control Unit (wired)

Connect a remote control cable to R/C jacks located on the wireless/wired remote control unit and the side of the projector.



To insure safe operation, please observe the following:

- Use (2) AA type alkaline batteries
- Change two batteries at the same time
- Do not use a new battery with a used battery
- Avoid contact with water
- Do not drop the remote control unit
- If batteries have leaked on the remote control, carefully wipe the case clean and load new batteries



CONTROL THE PROJECTOR

The projector has two types of operation: DIRECT OPERATION and MENU OPERATION. You can use the projector by using the remote control or the control buttons on the projector. In this manual, we explain both types of operation.

DIRECT OPERATION

ADJUST ITEM	TOP CONTROL OF THE PROJECTOR	WIRELESS/WIRED REMOTE CONTROL	WIRELESS REMOTE CONTROL
POWER ON/OFF	POWER ON OFF	POWER ON OFF	POWER ON/OFF
MODE SELECT	MODE	COMPUTER VIDEO	COMPUTER VIDEO
SOUND VOLUME	+	+	+
SOUND MUTE	MUTE	MUTE	MUTE
ZOOM	zoom ▲ ▼	zoom ▲ ▼	ZOOM POINT (UP/DOWN)
FOCUS	focus ▲ ▼	focus ▲ ▼	FOCUS POINT (UP/DOWN)
LENS SHIFT	LENS SHIFT ▲ ▼	LENS SHIFT (▲) and (▼)	LENS SHIFT POINT (UP/DOWN)
DIGITAL ZOOM	DIGITAL ZOOM	SELECT POINT (UP/DOWN/LEFT/RIGHT)	SELECT (REAR CLICK) FRONT CLICK POINT (UP/DOWN/LEFT/RIGHT)
NORMAL PICTURE	N. PICTURE	N. PICTURE	N. PICTURE
FREEZE PICTURE	FREEZE PICTURE	FREEZE PICTURE	FREEZE PICTURE
NO SHOW	NO SHOW	FREEZE NO SHOW	FREEZE NO SHOW
P-TIMER	P-TIMER	P-TIMER	P-TIMER
AUTO IMAGE	AUTO IMAGE	AUTO IMAGE	AUTO IMAGE
CURSOR	CURSOR	CURSOR	CURSOR

BEFORE OPERATION

MENU OPERATION

ADJUST ITEM	TOP CONTROL OF THE PROJECTOR	WIRELESS/WIRELESS REMOTE CONTROL	WIRELESS REMOTE CONTROL
MODE SELECT	MENU POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MENU POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MENU POINT LEFT/RIGHT SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK)

1. COMPUTER/VIDEO MODE

ADJUST ITEM	TOP CONTROL OF THE PROJECTOR	WIRELESS/WIRELESS REMOTE CONTROL	WIRELESS REMOTE CONTROL
SOUND	MENU POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MENU POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MENU POINT LEFT/RIGHT SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK)
LANGUAGE			
SETTING	MENU POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MENU POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MENU POINT LEFT/RIGHT SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK)
DISPLAY USB REMOTE CONTROL			

2. VIDEO MODE

ADJUST ITEM	TOP CONTROL OF THE PROJECTOR	WIRELESS/WIRELESS REMOTE CONTROL	WIRELESS REMOTE CONTROL
COLOR SYSTEM	MENU	MENU	MENU
VIDEO SOURCE	POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	POINT (LEFT/RIGHT) SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK)
PICTURE IMAGE	MENU POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MENU POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MENU POINT (LEFT/RIGHT) SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK)
PICTURE SCREEN	WHEEL POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT		

3. COMPUTER MODE

ADJUST ITEM	TOP CONTROL OF THE PROJECTOR	WIRELESS/WIRELESS REMOTE CONTROL	WIRELESS REMOTE CONTROL
COMPUTER SYSTEM	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MEN POINT (LEFT/RIGHT) SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK)
AUTO IMAGE	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MEN POINT (LEFT/RIGHT) SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK)
PICTURE IMAGE	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MEN POINT (LEFT/RIGHT) SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK)
PICTURE POSITION	MEN POINT LEFT/RIGHT SELECT POINT LEFT/RIGHT/UP/DOWN SELECT	MEN POINT LEFT/RIGHT SELECT POINT LEFT/RIGHT/UP/DOWN SELECT	MEN POINT (LEFT/RIGHT) SELECT (REAR CLICK) POINT (LEFT/RIGHT/UP/DOWN) SELECT (REAR CLICK)
PC ADJUSTMENT	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT	MEN POINT (LEFT/RIGHT) SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK)
PICTURE SCREEN	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT POINT LEFT/RIGHT/UP/DOWN	MEN POINT LEFT/RIGHT SELECT POINT UP/DOWN SELECT POINT LEFT/RIGHT/UP/DOWN	MEN POINT (LEFT/RIGHT) SELECT (REAR CLICK) POINT (UP/DOWN) SELECT (REAR CLICK) FRONT CLICK POINT (LEFT/RIGHT/UP/DOWN)

NOTES

1. The MENU operation is performed with the projector. When you press MENU, it is switched to DIRECT operation by pressing and holding the button with a MENUTIME (see page 76) or if the MENU operation will end.
2. You can use the REMOTE CONTROL UNIT or the TOP CONTROL OF THE PROJECTOR to operate the MENU operation.

BASIC OPERATION

TURNING ON OFF THE PROJECTOR

TO TURN ON THE PROJECTOR

Connect the projects to a source controller via R-Net Camera via the User Player site using the appropriate term as on the side of the project. See Configuration Tab. Help & Support section on pages 6-21.

Connect the projector's AC power cord to a wall outlet. Set the MAN ON/OFF switch located on the side of the projector to the ON position. The LAMP POWER LED will turn green.

Press the POWER ON/OFF button. The number "0" of the help function
The LAMP POWER indicator will light. The display shows the number
display appears in the source and the number "0" of the help function
from the source appears after 30 seconds.

CAUTION

TO MAINTAIN THE LIFE OF THE LAMP, ONCE YOU HAVE TURNED IT ON, WAIT AT LEAST 5 MINUTES BEFORE TURNING IT OFF.

NOTE TEMPERATUR WARMING, NÄT ATOM, 5000 SEKUNDEN, WÄHREND DER WARTUNGSZEIT.
Wait at least 5 minutes before turning the projector on.

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- 1) Press POWER ON/OFF button to OFF
- 2) Check the air filter for dust accumulation
- 3) Remove the filter and clean it.
- 4) Press POWER ON/OFF button to ON

TO TURN OFF THE PROJECTOR

Press the POWER button on the front of the projector to turn it on. The Power light appears on the front of the projector. Press the ON/OFF button on the projector's front panel to turn the projector on. The ON/OFF button is located on the front of the projector. The projector's front panel has a power button labeled "POWER". During this step, the projector is turned on. The READY indicator will green, and the projector is ready for use. Pressing the POWER button on the front of the projector will turn the projector off. The projector's front panel has a power button labeled "POWER".

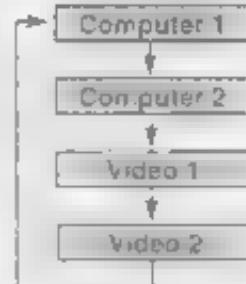


DIRECT OPERATION

MODE SELECT

Press the MODE button on the projector or the COMPUTER and VIDEO button on the remote control unit to select Computer 1, Computer 2, Video 1 or Video 2 Input. The "Computer 1", "Computer 2", "Video 1" or "Video 2" display will appear on the screen for a few seconds

MODE button



COMPUTER button



SOUND VOLUME ADJUSTMENT

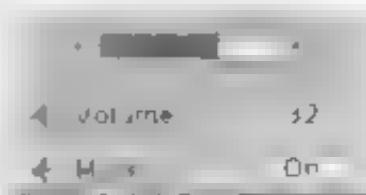
Press the VOLUME buttons on the projector or on the remote control unit to adjust the volume. The volume will increase when you press the + button and decrease when you press the - button.

Press a volume + or - button for a few seconds to turn the volume on or off.

Press a volume + or - button for a few seconds to adjust the volume in the screen.

SOUND MUTE FUNCTION

Press the MUTE button on the projector or the remote control unit. Mute mode will be activated, and the Mute mode message will be displayed on the screen for a few seconds.



ZOOM ADJUSTMENT

Use Top control and Wireless/Wired remote control unit

Press the ZOOM ▲ or ▼ button for a larger picture, press ▲ for a larger picture, press ▼ for a smaller picture, press ▲ and for a smaller picture, press ▼.

Use Wireless remote control unit

Press the ZOOM UP or ZOOM DOWN button for a larger picture, and ZOOM DOWN or ZOOM UP button for a smaller picture.

Zoom

FOCUS ADJUSTMENT

Use Top control and Wireless/Wired remote control unit

Press the FOCUS ▲ or ▼ button for a sharper, crisper picture.

Use Wireless remote control unit

Press the FOCUS UP or FOCUS DOWN button for a sharper, crisper picture, and FOCUS DOWN or FOCUS UP button for a sharper, crisper picture.

LENS SHIFT FUNCTION

Use Top control and Wireless/Wired remote control unit

Press the LENS SHIFT ▲ or ▼ button for a larger and smaller lens.

Lens shift

Use Wireless remote control unit

Press the LENS SHIFT button and press POINT UP/DOWN button(s) to obtain your desired size, and the lens will move to display the screen for a few seconds.



DIGITAL ZOOM FUNCTION

Press the D.ZOOM button on the wireless remote control unit. The "D zoom" and the image size are displayed. In the D.ZOOM mode, zoom mode can be adjust the image size or pan the image.

To expand the image size press SELECT, REAR, LEFT, or RIGHT. The image is magnified by degrees (Expand function).

To decrease the image size press FRONT, LEFT, or RIGHT. The size of image is reduced by degrees (Compress function).

To pan the image press POINT, P, W, W, LEFT, RIGHT, PANNING, FADE, button(s). The image move to the direction indicated (Panning function).

See the page 49 for more detail.



NORMAL PICTURE FUNCTION

The "Normal Picture" mode is selected. The image size is not restricted by pressing the D.ZOOM button. Press the D.ZOOM button on the wireless remote control unit. The Normal mode is selected for a few seconds.

Normal

FREEZE PICTURE FUNCTION

Press the FREEZE button. The image is frozen. Press the FREEZE button again. The image is unfrozen.

NOTE You can't use the zoom function when the image is frozen.

Freeze

NO SHOW FUNCTION

Press the FREEZE button. The image is frozen. The screen will be blanked out. The No Show mode is selected for a few seconds.

No show

The screen will be blanked out when the FREEZE, NO SHOW, or any other function button is pressed.

P-TIMER FUNCTION

Press the P-TIMER button. The image is frozen. The timer is set.

00 01

Press the P-TIMER button again. The timer is canceled.

00 00

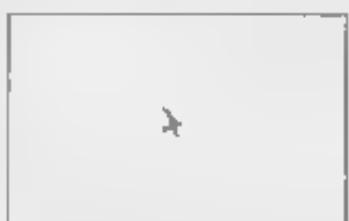
AUTO IMAGE FUNCTION

Press the AUTO IMAGE button. The image is frozen. The timer is indicated "ON" in the AUTO IMAGE FUNCTION are adjusted automatically.

Press the AUTO IMAGE button again. The AUTO IMAGE SETTING icon appears. If you wish to operate the AUTO IMAGE FUNCTION, use the LEFT, RIGHT, or AUTO IMAGE FUNCTION see on page 42.

CURSOR FUNCTION

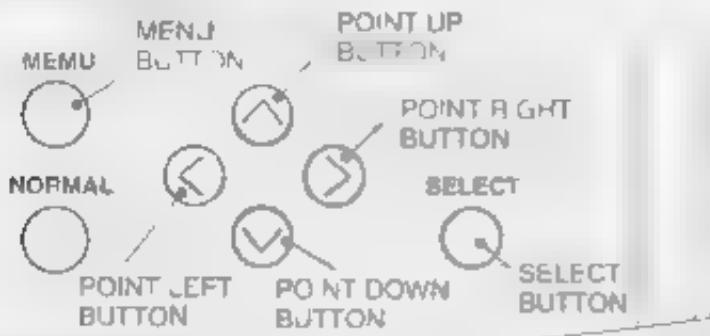
Press the CURSOR button on the wireless remote control unit. The CURSOR is displayed on the screen. Press POINT, P, D, W, LEFT, RIGHT, PANNING, PAN buttons, or LEFT, RIGHT, or RIGHT. The CURSOR is indicated. The direction you are pressing. Press CURSOR, A, B, C, D, and CURSOR disappears.



MENU OPERATION

By MENU OPERATION more you can adjust the projector. You can use the TOP CONTROL OF THE PROJECTOR or the REMOTE CONTROL UNIT.

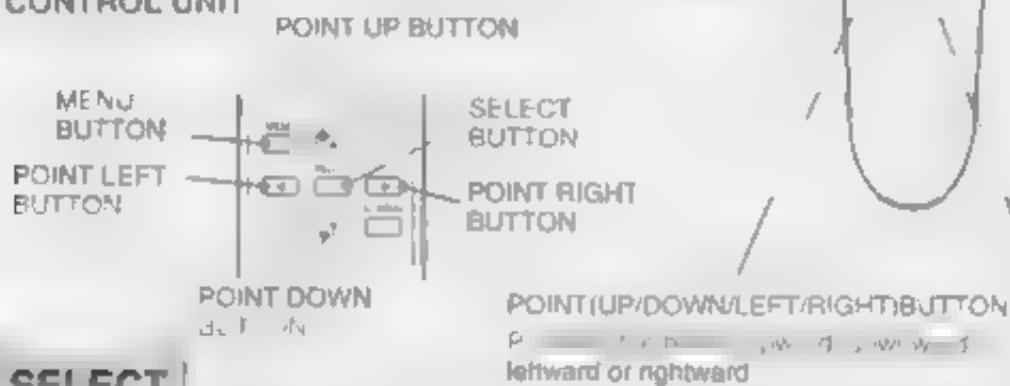
TOP CONTROL OF THE PROJECTOR



WIRELESS REMOTE CONTROL UNIT



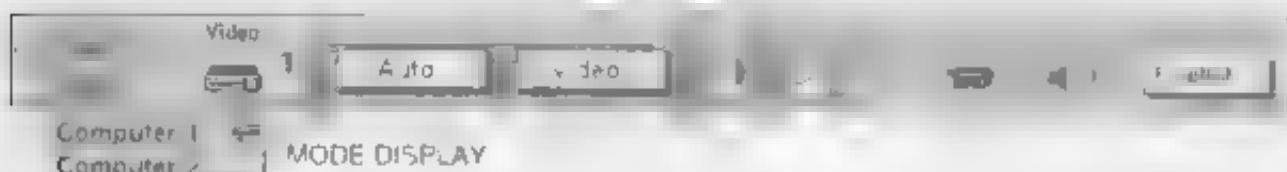
WIRELESS/WIRED REMOTE CONTROL UNIT



MODE SELECT

- 1 Press the MENU BUTTON and the MAIN MENU DISPLAY will appear.
- 2 Press the POINT LEFT/RIGHT BUTTON to move the cursor and then press the SELECT REAR CLICK BUTTON. Another dialog box MODE DISPLAY will appear.
- 3 Press the POINT DOWN BUTTON and a red arrow will appear.
- 4 Move the arrow to the mode you want to select (Video 1, Video 2, Computer 1, Computer 2) by pressing the POINT UP/DOWN BUTTON, and then press the SELECT REAR CLICK BUTTON.

MAIN MENU DISPLAY



MAIN MENU DISPLAY



BASIC OPERATION

SOUND ADJUSTMENT

You can adjust the sound volume, treble, bass, echo and BGM. Sound Mute OFF switch on the MENU display.

- 1 Press the MENU BUTTON and the MAIN MENU DISPLAY appears. **SOUND ADJUST DISPLAY**
- 2 Press the POINT LEFT/RIGHT BUTTON. **Volume** is selected. Press the SELECT (REAR CLICK) BUTTON. Another dialog box **SOUND ADJUST DISPLAY** will appear.
- 3 Press the POINT DOWN BUTTON and a red arrow will appear.
- 4 Move the arrow to another item you want to change with the POINT UP/DOWN BUTTON.
- 5 To increase the sound volume, press the POINT UP BUTTON. To decrease the sound volume, press the POINT DOWN BUTTON. Then press the SELECT (REAR CLICK) BUTTON.
- 6 To disconnect the built-in speaker, press the BGM SP and then press the SELECT (REAR CLICK) BUTTON. The display is changed Off and Internal speaker is disconnected.
- 7 To mute the sound, move the arrow to **Mute** and then press the SELECT (REAR CLICK) BUTTON. The display is changed On and mute the sound.
- 8 To quit the MENU, press the POINT UP BUTTON and then press the SELECT (REAR CLICK) BUTTON.

MAIN MENU DISPLAY



LANGUAGE ADJUSTMENT

A language setting menu may be displayed when the unit is first connected to a power source.

- 1 Press the MENU BUTTON to MAIN MENU. **PLAY** is selected.
- 2 Press the POINT LEFT/RIGHT BUTTON. **Language** is selected. Press the SELECT (REAR CLICK) BUTTON. Another dialog box **LANGUAGE SETTING DISPLAY** will appear.
- 3 Press the POINT DOWN BUTTON and a red arrow will appear.
- 4 Move the arrow to the language you want to select with the POINT DOWN BUTTONS and then press the SELECT (REAR CLICK) BUTTON.

MAIN MENU DISPLAY



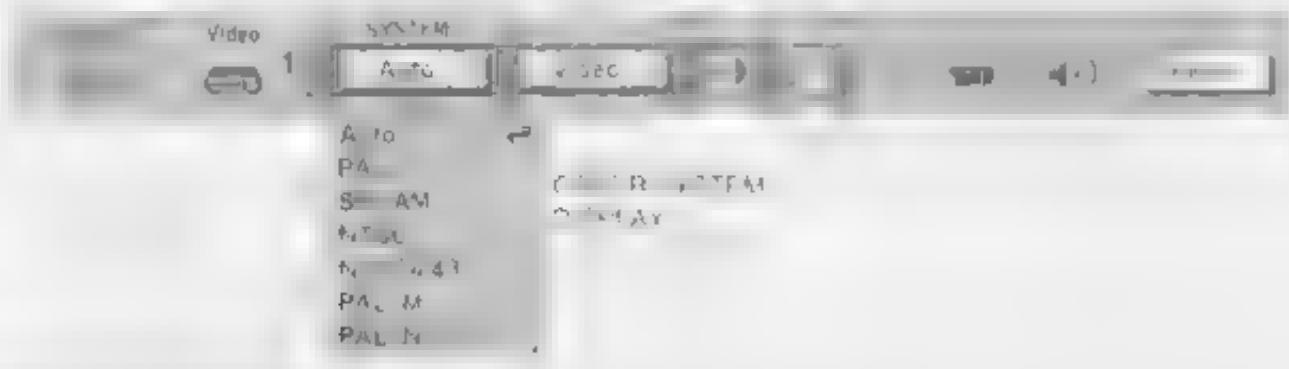
VIDEO MODE

COLOR SYSTEM SELECT

This projector is compatible with the six television systems known as PAL, SECAM, NTSC, NTSC 4.43, PAL M and PAL N COLOR SYSTEMS. When the projector is connected to a video source, it can detect one of 4 systems (PAL, SECAM, NTSC or NTSC 4.43). However, the projector is not able to detect the video format the projector may not know the video system. So it appears this projector allows you to choose a specific broadcast signal format.

1. Connect the video equipment to the PROJECTOR and turn the projector on.
2. Set MODE SELECT to "VIDEO MODE".
3. Press the MENU BUTTON on the MAIN MENU DISPLAY, a box will appear.
4. Press the POINT LEFT/RIGHT BUTTON to move the cursor to the SYSTEM window. Another sub box (COLOR SYSTEM) will appear. The selected SYSTEM is displayed in the SYSTEM window.
5. Press the POINT DOWN BUTTON and a red arrow will appear.
6. To change the system, use the POINT DOWN BUTTON to move the arrow to a desired system and then press the SELECT (REAR CLICK) BUTTON.
7. The selected system will be displayed in the SYSTEM window.

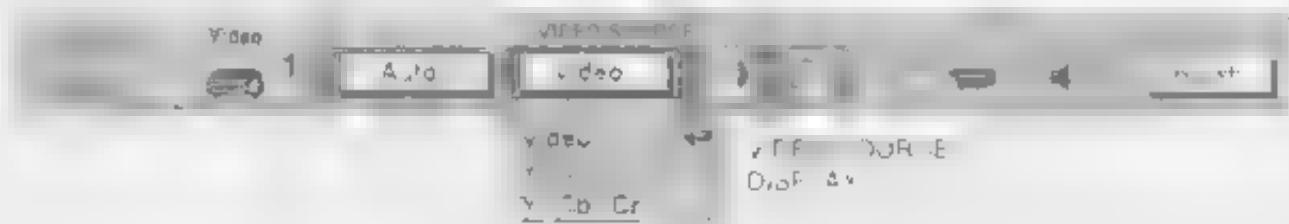
MAIN MENU DISPLAY



VIDEO SOURCE SELECT

1. Connect the video equipment to the PROJECTOR and turn the projector on.
2. Set MODE SELECT to "VIDEO MODE".
3. Press the MENU BUTTON on the MAIN MENU DISPLAY, a box will appear.
4. Press the POINT LEFT/RIGHT BUTTON to move the cursor to the VIDEO SOURCE window. Another sub box (VIDEO SOURCE) will appear. The selected VIDEO SOURCE is displayed in the VIDEO SOURCE window.
5. Press the POINT DOWN BUTTON and a red arrow will appear.
6. To change the video source, use the POINT DOWN BUTTON to move the arrow to a desired video source and then press the SELECT (REAR CLICK) BUTTON.
7. The selected video source will be displayed in the VIDEO SOURCE window.

MAIN MENU DISPLAY



PICTURE IMAGE ADJUSTMENT

Picture adjustment is have been press a **FUNCTION** if you want to change the setting operate the projector as follows

- 1 Press **MAIN MENU** BUTTON and the **MAIN MENU DISPLAY** is appeared
- 2 Press the **POINT LEFT RIGHT BUTTONS** select **IMAGE ADJUST DISPLAY** and press the **SELECT (REAR CLICK) BUTTON** Another dialog box **IMAGE ADJUST DISPLAY** is appeared. Then make the other procedure
- 3 In this dialog box you can add a red arrow. By pressing **SELECT (REAR CLICK) BUTTON** the items and the range of the levels that you can adjust are summarized in the table below
- 4 Press the **POINT DOWN BUTTON** and a red arrow will appear
- 5 Move the arrow to the item that you want to change press **POINT → DOWN BUTTON**
- 6 To increase the level point the arrow **▲** and press **SELECT (REAR CLICK) BUTTON** To decrease the level point the arrow to **▼** and then press the **SELECT (REAR CLICK) BUTTON**
- 7 If you want to change the settings of the item you want to change then press **POINT → DOWN BUTTON** to move the arrow to the item that you want to change then press the **SELECT (REAR CLICK) BUTTON** and a **OK?** dialog box is displayed for confirmation
- 8 Move the arrow to the **OK?** and press the **SELECT (REAR CLICK) BUTTON** The changed settings are memorized even if the **MAIN ON/OFF** is switched off
- 9 If you want to change another item, press **SELECT (REAR CLICK) BUTTON**
- 10 If you want to change the **MAIN MENU DISPLAY** you have to move the arrow to **MAIN MENU DISPLAY** and then press the **SELECT (REAR CLICK) BUTTON**
- 11 To end the **IMAGE ADJUST DISPLAY** they have to move the arrow to **MAIN MENU DISPLAY** and then press the **SELECT (REAR CLICK) BUTTON** and a **OK?** dialog box is displayed for confirmation

NOTE "TINT" will be skipped in the PAL SECAM, PAL M and PAL N mode

MAIN MENU DISPLAY

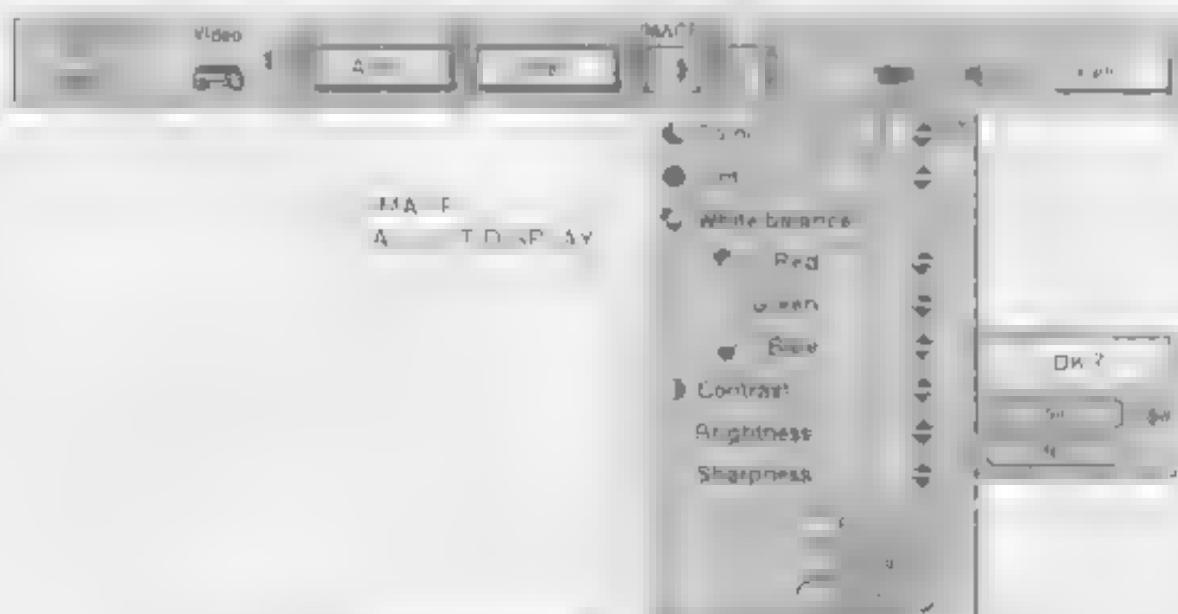


TABLE OF PICT. OF MAIN ADJUSTMENT

COLOR	DECREASES	0 → 63 INCREASES
TINT	MORE PURPLE	0 → 63 MORE GREEN
WHITE BALANCE RY B	DECREASES	0 → 63 INCREASES
CONTRAST	LIGHTER	0 → 63 DEEPER
BRIGHTNESS	DARKER	0 → 63 BRIGHTER
SHARPNESS	SOFTER	0 → 31 SHARPER

PICTURE SCREEN ADJUSTMENT

This projector has the Wide Function, which enables you to view a wider video image.

WIDE function

This projector is able to project not only a normal video image with 4 x 3 aspect ratio, but also a wider video image by compressing 4 x 3 image. This function is especially useful when watching movies or cinema images. You can switch either to WIDE or to REGULAR screen mode.

1. Press the MENU BUTTON and the MAIN MENU DISPLAY bar will appear.
2. Press the POINT LEFT/RIGHT BUTTONS to select SCREEN and press the SELECT (REAR CLICK) BUTTON. Another dialog box SCREEN ADJUST DISPLAY will appear.
3. Press the POINT DOWN BUTTON and a red arrow will appear.
4. To switch to Wide mode move the arrow to Wide type by pressing the POINT UP/DOWN BUTTONS and then press the SELECT (REAR CLICK) BUTTON.
5. To switch to Regular mode move the arrow to Regular type by pressing the POINT UP/DOWN BUTTONS and then press the SELECT (REAR CLICK) BUTTON.



COMPUTER MODE

COMPUTER SYSTEM SELECT

This projector is also able to connect to 10 types of computer displays based on VGA, SVGA, XGA, SXGA or UXGA. See COMPATIBLE COMPUTER SIGNALS on the next page. If you set MODE SELECT to COMPUTER the projector will automatically choose the best signal to give the proper image without any special setting. Although this will work in most cases, you may have to manually select the correct input signals if the computer signal is not properly detected. You can switch from PC to COMPUTER DISPLAY mode that you want to use.

- 1 Connect the COMPUTER to the PROJECTOR and set the MODE SELECT to COMPUTER.
- 2 Set MODE SELECT to COMPUTER MODE. This shows the current display mode initially selected by the projector in the system window. And "Current mode" display appears.

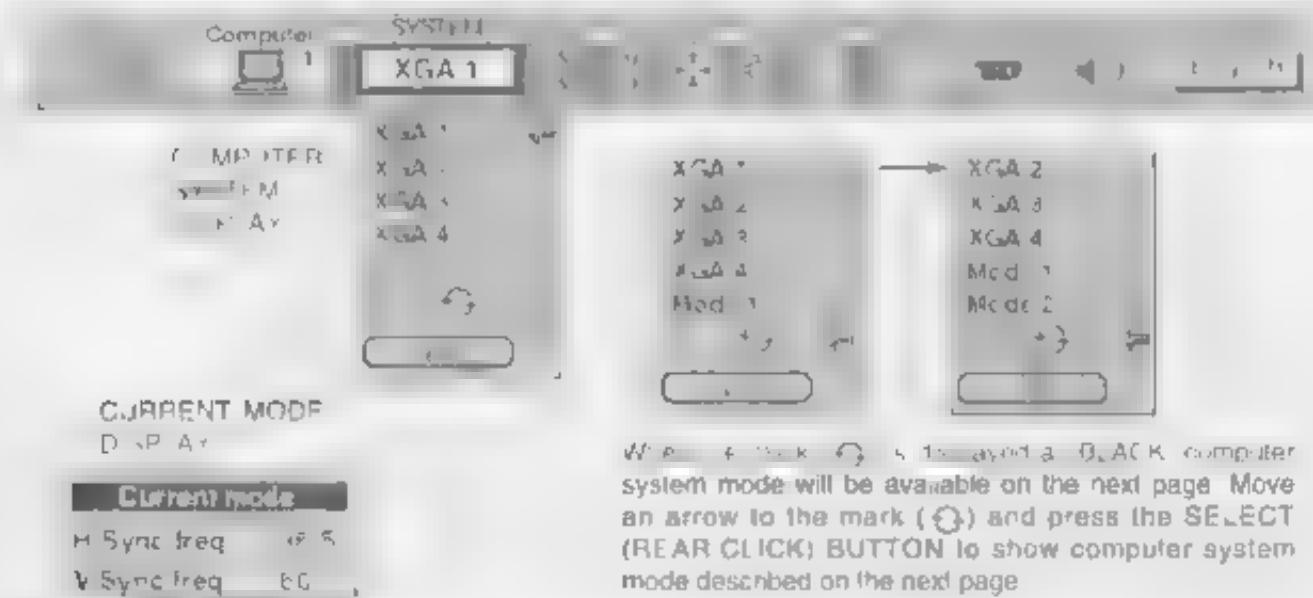
NOTE 1: If the projector cannot detect the signal, the "No Signal" message will appear. The GxPC and display appears.

NOTE 2: If no input signal is detected, the NO SIGNAL message appears.

NOTE 3: If no signal is detected, the DVI-A, SVGA, XGA, SXGA, UXGA display appears.

- 3 Press the MENU BUT. ON the MAIN MENU DISPLAY the XGA 1 will appear.
- 4 Press the POINT LEFT/RIGHT BUTTON to move to SYSTEM. Then press the BUT REAR CLICK BUTTON. A "Computer" dialog box COMPUTER SYSTEM DISPLAY will appear.
- 5 Press the POINT DOWN BUTTON and a red arrow will appear.
- 6 Press the POINT LEFT/RIGHT BUTTON to move to the arrow. Then press the POINT DOWN BUTTON. Now select one of the modes.
- 7 Press the BUT REAR CLICK BUTTON to move to the arrow. Then press the BUT REAR CLICK BUTTON.
- 8 To quit the MENU, move the arrow to the "Current mode" and press the BUT REAR CLICK BUTTON.

MAIN MENU DISPLAY



PC ADJUSTMENT

This is a special function that may be used for a PC 1 mode so it is adjusted properly. See the pages 40-48 for more detail.)

COMPATIBLE COMPUTER SPECIFICATIONS

Specifications are subject to change without notice.

NOTE Basically, the clock rate is determined by the system clock frequency. The system clock frequency is determined by H Frequency and less than 200 MHz of Dot Clock.

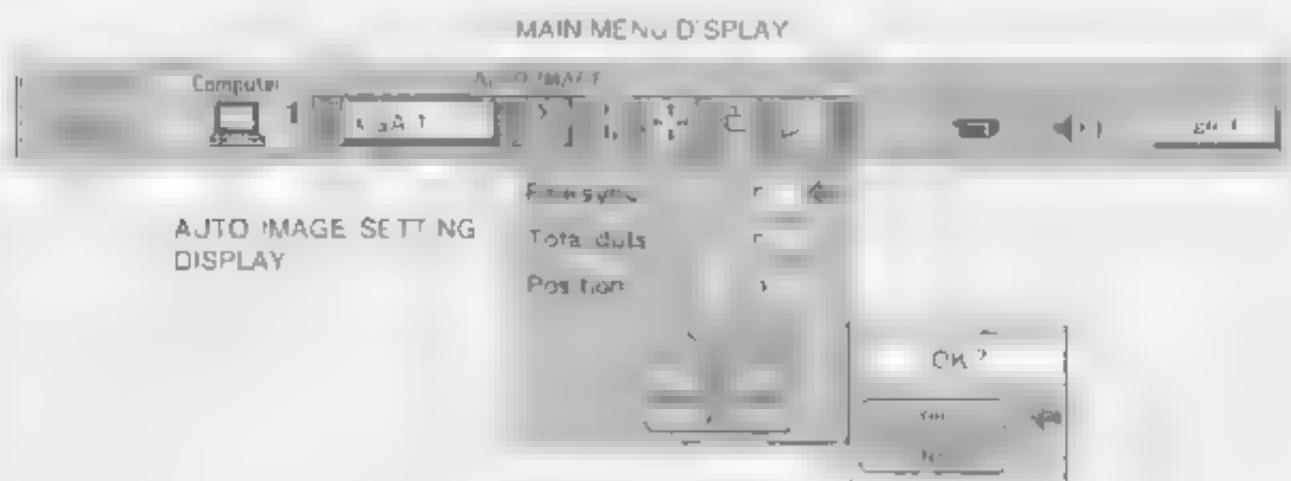
AUTO IMAGE FUNCTION

The Auto Image function is provided to automatically adjust the sync, total dots and screen position for most computers.

NOTE This Auto Image function will be skipped when the following screen is displayed.

- 1 Press the MENU BUTTON and the MAIN MENU DISPLAY will appear.
- 2 Press the POINT (LEFT/RIGHT) BUTTON to select AUTO IMAGE and press the SELECT (REAR CLICK) BUTTON. Another dialog box AUTO IMAGE SETTING DISPLAY will appear.
- 3 Press the POINT DOWN BUTTON and a red arrow will appear.
- 4 Move the arrow to an item you want to change with the POINT (P DOWN) BUTTONS.
- 5 Change the setting "On", press the SELECT (REAR CLICK) BUTTON.
- 6 Move the arrow to "Position", POINT (P DOWN) BUTTON is used, and then press the SELECT (REAR CLICK) BUTTON. The setting will be stored after 10 seconds.
- 7 To store the settings move the arrow to "OK?" and press the SELECT (REAR CLICK) BUTTON. When you have stored the settings "OK?" is displayed for confirmation.
- 8 Move the arrow to "YES" and then press the SELECT (REAR CLICK) BUTTON. The stored settings are confirmed if the MAIN ON/OFF is switched off.
- 9 To quit the MENU press "QUIT" and then press the SELECT (REAR CLICK) BUTTON.
- 10 This setting is automatically deleted if you do not use the function for 10 minutes.

NOTE The fine sync, total dots and screen position are not automatically adjusted with the Auto Image Function. If this is the case, use the following steps to fine tune the image. (Page 43-44) You can fine tune the image after the "Auto Image Function" is executed.

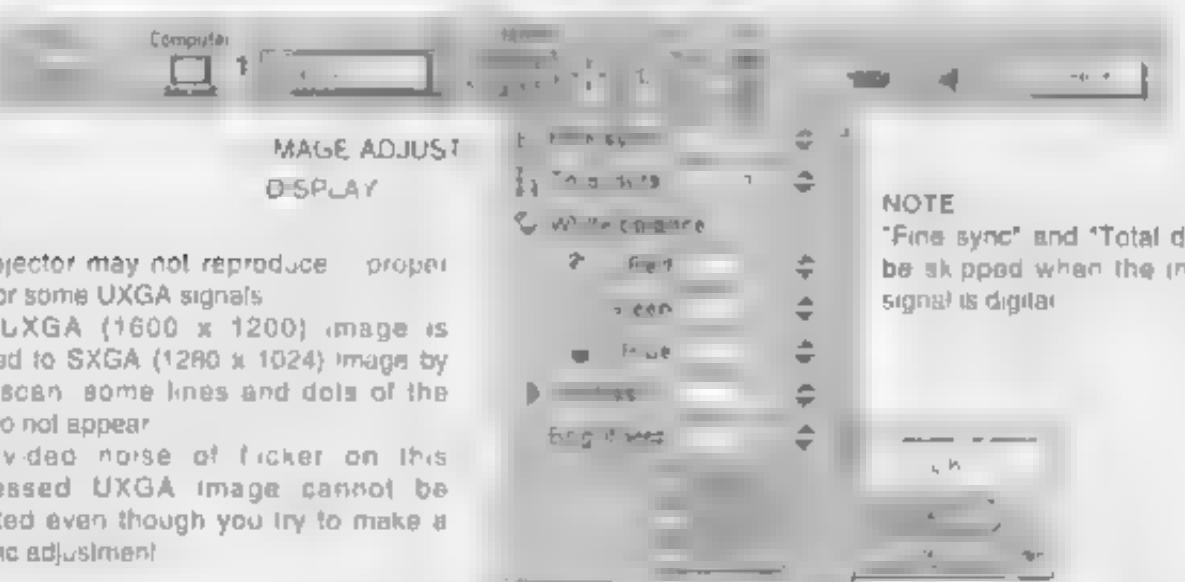


PICTURE IMAGE ADJUSTMENT

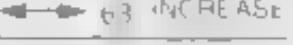
Picture adjustments have been preset at the factory. To change the setting, operate the projector as follows.

- 1 Press the MENU/BRILLIANCE and the MAIN MENU DISPLAY button. The MAIN MENU DISPLAY screen will appear.
- 2 Press the POINT LEFT/RIGHT button to select IMAGE ADJUST. Press the SELECT (REAR CLICK) button. Another dialog box IMAGE ADJUST - PC ADJUST will appear. It has 7 items for the current settings.
- 3 A dialog box will appear with the following items. The items are shown as numbers. The items may be ranged on the levels of your adjustment. Press the SELECT (REAR CLICK) button.
- 4 Press the POINT DOWN button and a red arrow will appear.
- 5 Move the arrow to the item you want to change. Press the POINT UP/DOWN button to change the item. To do this, move the arrow to the item and then press the SELECT (REAR CLICK) button. To do this, move the arrow to the item and then press the SELECT (REAR CLICK) button. You may want to store the settings, so press the SELECT (REAR CLICK) button. To do this, move the arrow to the item and then press the SELECT (REAR CLICK) button. You may want to store the settings, so press the SELECT (REAR CLICK) button.
- 6 Move the arrow to YES and then press the SELECT (REAR CLICK) button. The red settings are memoized even if the MAIN ON/OFF is switched off.
- 7 To quit the MENU, move the arrow to EXIT MAIN CLICK button.
- 8 If you do not want to make any changes, move the arrow to EXIT MAIN CLICK button.
- 9 To exit the adjustment screen, move the arrow to EXIT MAIN CLICK button. Then, move the arrow to YES and then press the SELECT (REAR CLICK) button.

MAIN MENU DISPLAY



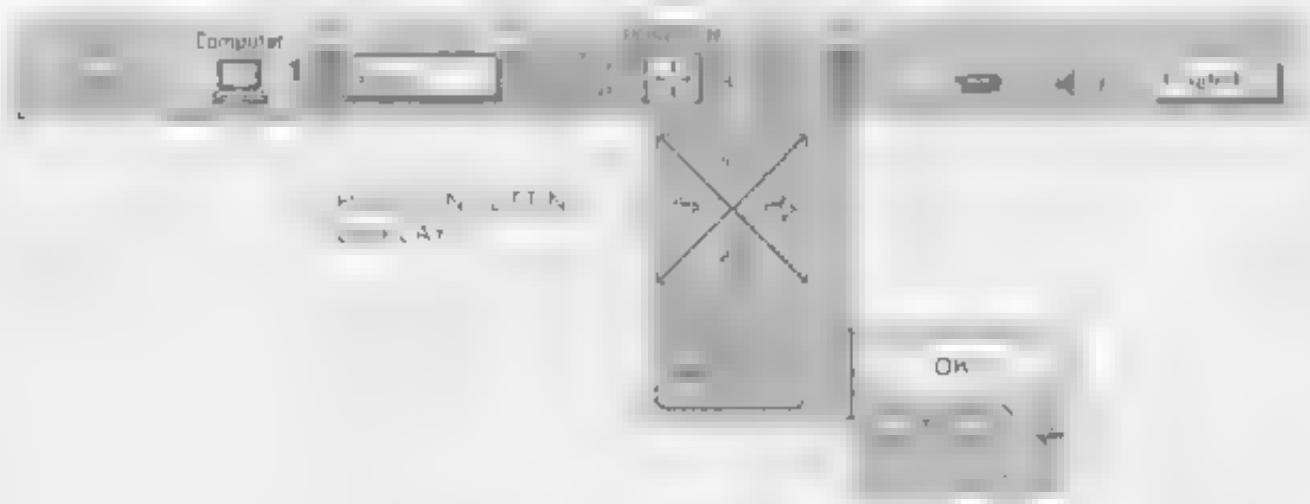
ACTIVE COMPUTER IMAGE ADJUSTMENT

FINE SYNC	Adjust the picture as necessary to eliminate flicker from the display	0  127
TOTAL DOTS	The number of the total dots in one horizontal period. Adjust the number to match your PC image	
WHITE BALANCE RGB	SELECT LIGHTER  DEEPER	
CONTRAST	0  63	
BRIGHTNESS	DARKER  BRIGHTER	

PICTURE POSITION ADJUSTMENT

- 1 Press the MENU BUTTON on the MAIN MENU. Press the SELECT + CLOCK BUTTON.
- 2 Press the POINT LEFT/RIGHT BUTTON to select POSITION and press the SELECT + CLOCK BUTTON. Another dialog box POSITION SETTING DISPLAY will appear.
3. Press the POINT DOWN BUTTON and a red arrow will appear.
4. Move the arrow to the left, right, up, or down using the POINT LEFT/RIGHT UP/DOWN BUTTONS and press the SELECT + CLOCK BUTTON. The arrow will move the arrow.
5. You may want to change the position of the arrow. Use the SELECT + CLOCK BUTTON to move the arrow. Press the SELECT + CLOCK + BUTTON. Are you satisfied with the settings? OK? is displayed for confirmation.
6. Move the arrow to the left, right, up, or down using the SELECT + CLOCK BUTTON. The arrow will move the arrow. The MAIN ON/OFF is switched off.
7. Press the MENU BUTTON to return to the SELECT + CLOCK BUTTON.
8. You may want to change the position of the arrow. Use the SELECT + CLOCK BUTTON. That will be the end of the MAIN POSITION SETTING.
9. To return to the previous page, press the SELECT + CLOCK BUTTON. The previous page will be displayed. Press the SELECT + CLOCK BUTTON again to return to the previous page.

MANAGEMENT SP. AY



PC ADJUSTMENT

NOTE This function will be skipped when the incoming signal is digital.

This projector is a manually select mode display source from the personal computers currently available. However some computers adopt a special signal that will not be detected. If this happens the projector cannot reproduce a color image. And the image will be distorted to produce a non-centered picture or a skewed picture may be projected instead.

For this function, standard formats supported by the PC ADJUSTMENT box will be set to adjust several parameters to match with the personal computer. The following are the memory areas where you can store the parameters you have set. You can also store the stored data in the memory when you need.

1. Press the MENU BUTTON and the MAIN MENU DISPLAY will appear.
2. Press the POINT LEFT/RIGHT BUTTON to select the PC ADJUSTMENT and press the SELECT/BEAM CLICK BUTTON. Another dialog box "Where to reserve" will appear.
3. In this dialog box you can select the memory areas for Mode 1~Mode 8. Mode 1~Mode 8 parameters have been previously set and stored in the memory. If you select Mode 1~Mode 8, the "Reserve" button will appear.
4. Press the POINT DOWN BUTTON and a red arrow will appear.
5. Move the red arrow to the Mode 1~Mode 8 area and then press the POINT DOWN BUTTON. Press the SELECT/BEAM CLICK BUTTON again.

NOTE Select the memory areas for Mode 1~Mode 8 and then press the PC ADJUSTMENT data using Mode 1~Mode 8 function.

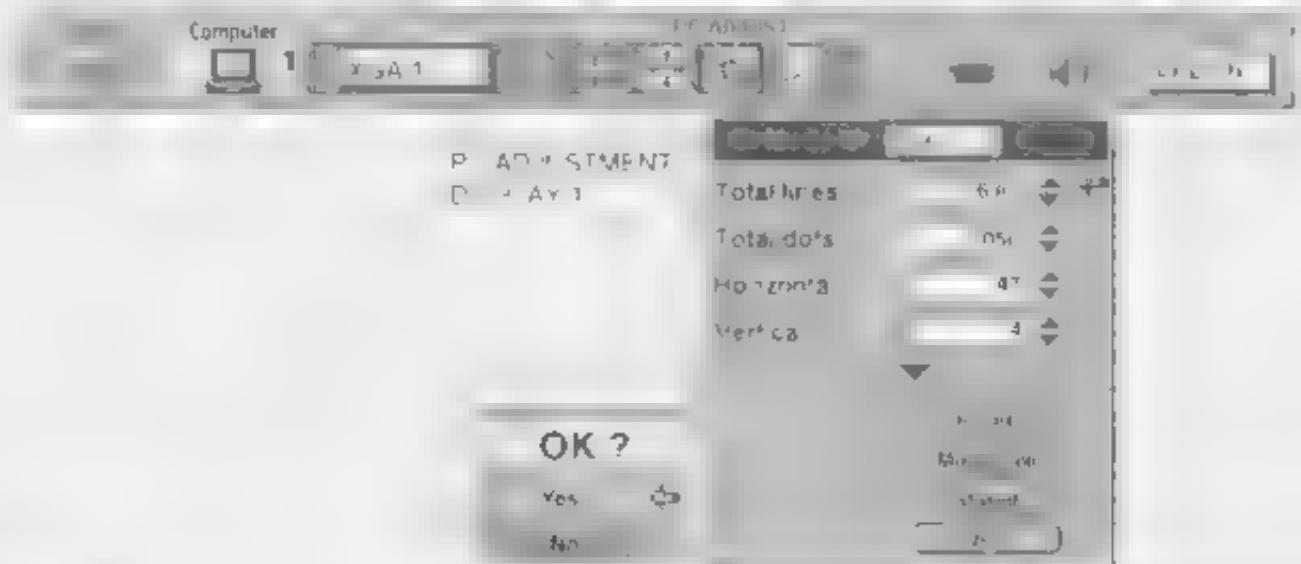
MAIN MENU DISPLAY



COMPUTER MODE

- 6 Another dialog box PC ADJUSTMENT & DISPLAY will appear and the parameter data for the Mode you have selected is shown in this dialog box
- 7 The parameters will be fed with the data determined by the processor according to the present signal input
- 8 The function of the parameters and their values are summarized in the table as below
- 9 Move the arrow to an item that you want to adjust using the POINT UP/DOWN BUTTONS
- 10 To move the cursor on the arrow \blacktriangle and \blacktriangledown use the SELECT REAR CLICK BUTTON To decide the value point the arrow \blacktriangle and \blacktriangledown and then use the SELECT REAR CLICK BUTTON
- 11 If you want to store the setting in the memory, move the cursor to \blacktriangle and \blacktriangledown Speed and press the SELECT (REAR CLICK) BUTTON When you have set the parameter OK is displayed on the screen. Move the arrow to YES and then press the SELECT (REAR CLICK) BUTTON
- 12 To reset the parameter to a previous setting move the arrow to Reset and then press the SELECT (REAR CLICK) BUTTON When you have reset the settings OK is displayed on the screen. Move the arrow to YES and then press the SELECT (REAR CLICK) BUTTON You can do a repeat operation if needed
- 13 Turn the MENU key to turn off the screen, then the SELECT (REAR CLICK) BUTTON
- 14 If you turn the MENU with the setting of a parameter you do not change will not be kept
- 15 The stored setting is memorized even if the MAIN ON OFF is switched off
- 16 Adjust the data for the CAR DISPLAY MODE using the arrow buttons. Move the arrow by pressing the POINT UP/DOWN BUTTONS \blacktriangle , \blacktriangledown , \blacktriangleright , \blacktriangleleft , SELECT (REAR CLICK) BUTTON

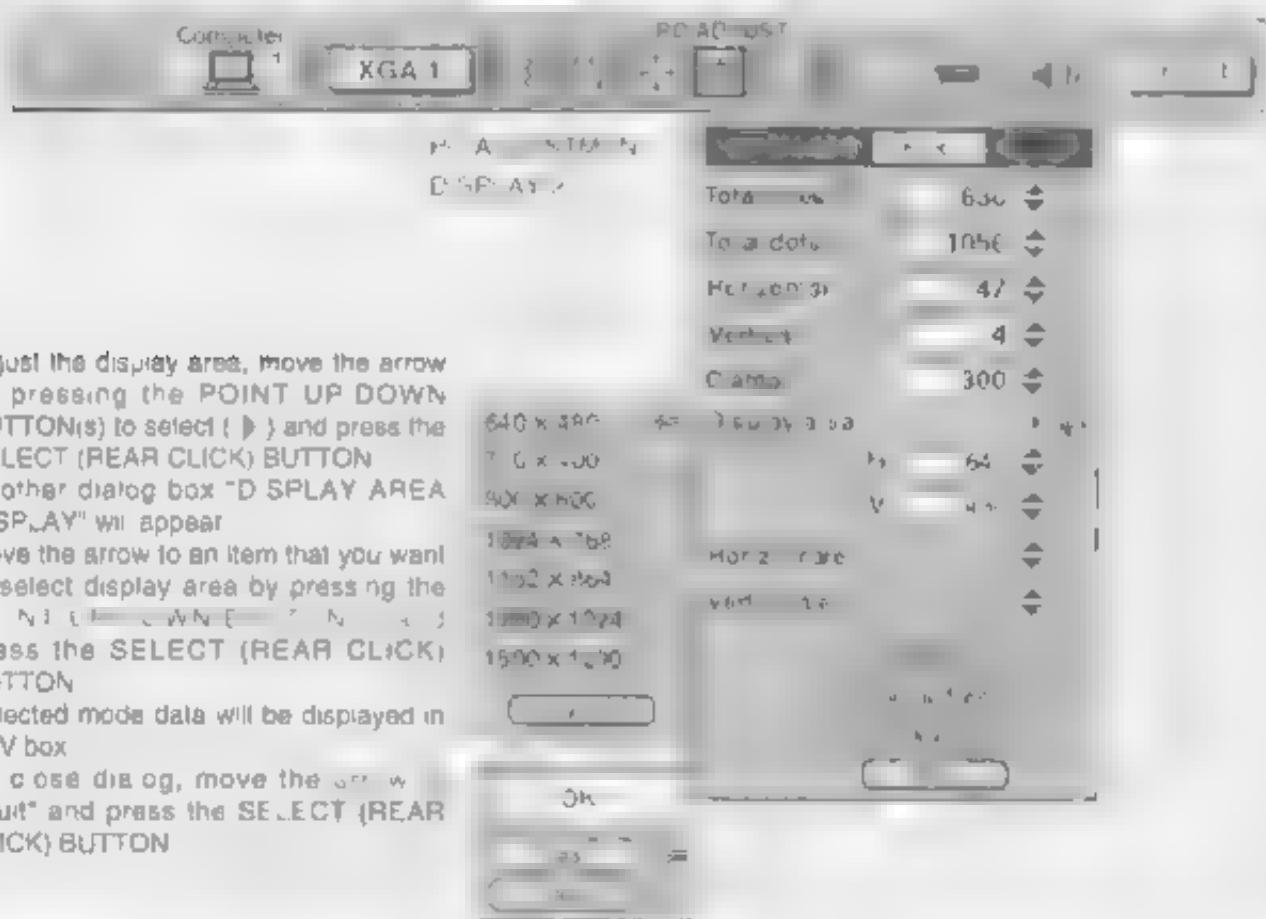
MAIN MENU DISPLAY



ITEM	FUNCTION
TOTAL LINES	The number of lines to be printed. Adjusts the printer to fit your PC image.
TOTAL DOTS	The number of dots in one line. Adjusts the number of dots per your PC image.
HORIZONTAL	Adjustment of the horizontal position. When the range is not centered on the screen, adjust this.
VERTICAL	Adjustment of the vertical position. When the range is not centered on the screen, adjust this.

- 17 Another dialog box "PC ADJUSTMENT DISPLAY 2" will appear. The data for the Mode you have selected is shown in this dialog box.
- 18 Move the arrow to an item that you want to adjust by using the POINT UP/DOWN BUTTON(s).
- 19 To increase the level, press the **▲** and then press the **SELECT (REAR CLICK) BUTTON**. To decrease the level, move the arrow **▼** and then press the **SELECT (REAR CLICK) BUTTON**.
- 20 If you want to store the settings in the memory, move the arrow to "OK" and then press the **SELECT (REAR CLICK) BUTTON**. When you have set the data as OK, it will appear "YES", if "NO" it will appear "NO" and then press the **SELECT (REAR CLICK) BUTTON**.
- 21 To recall the parameter data before setting, move the arrow to "RECALL" and then press the **SELECT (REAR CLICK) BUTTON**. When you have set the data, move the arrow to "YES" and then press the **SELECT (REAR CLICK) BUTTON**.
- 22 To quit the MENU, move the arrow to "QUIT" and then press the **SELECT (REAR CLICK) BUTTON**.
- 23 If you quit the MENU with "QUIT" being the setting, the display will return to the previous screen.
- 24 The stored settings are stored and can be called in MAIN MENU screen.

MAIN MENU DISPLAY



Adjust the display area, move the arrow by pressing the POINT UP/DOWN BUTTON(s) to select (▶) and press the SELECT (REAR CLICK) BUTTON.

Another dialog box "DISPLAY AREA" will appear.

Move the arrow to an item that you want to select display area by pressing the POINT UP/DOWN BUTTON(s) and then press the SELECT (REAR CLICK) BUTTON.

Selected mode data will be displayed in H, V box.

To close dialog, move the arrow to "Quit" and press the SELECT (REAR CLICK) BUTTON.

ITEM	FUNCTION
CLAMP	Adjustment the clamp when the job is stuck on the glass.
DISPLAY AREA	Adjustment the display area to match your PC.
HORIZ. SCALE	Expanding or compressing level for the horizontal direction.
VERT. SCALE	Expanding or compressing level for the vertical direction.

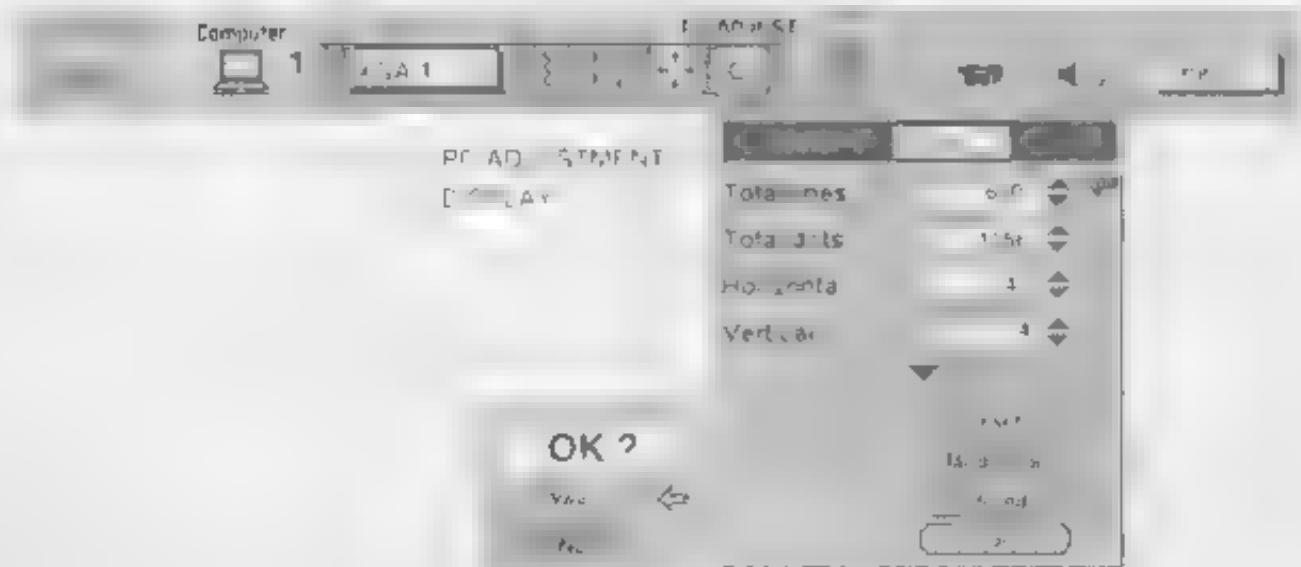
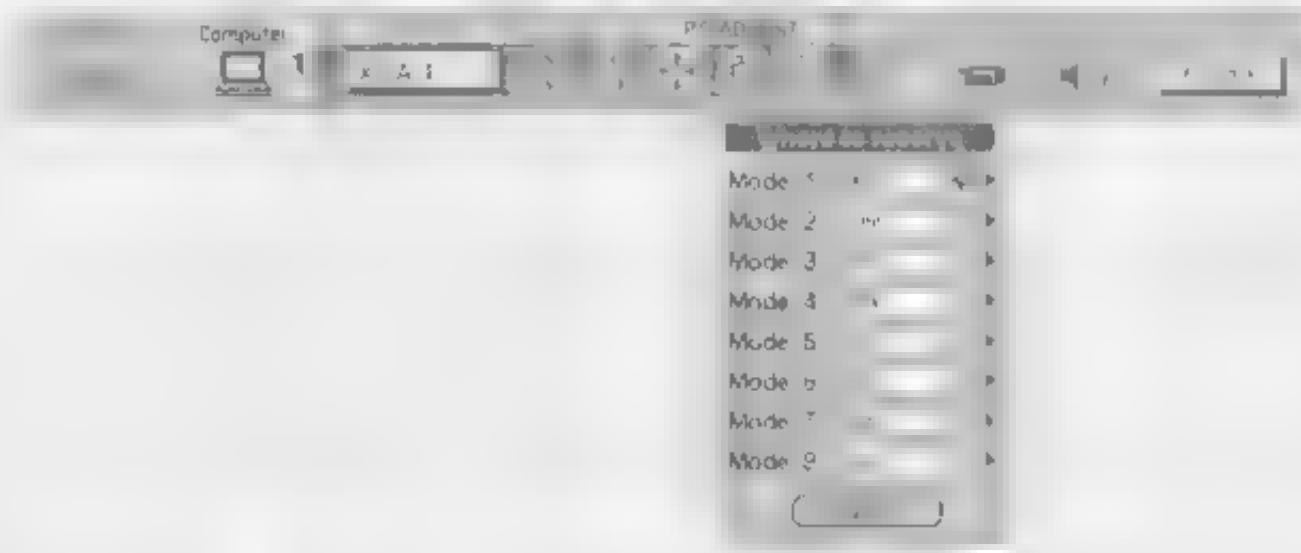
COMPUTER MODE

MODE FREE

The Mode free function is provided for the computer mode controlled by PC ADJUST

1. Press the MENU BUTTON and the MAIN MENU [PC ADJUST] box appears
2. Press the POINT LEFT/RIGHT BUTTON to select PC ADJUST and press the SELECT/REAR CLICK BUTTON
Another dialog box "Where to reserve" will appear
3. Press the POINT DOWN BUTTON and a red arrow will appear
4. Move the arrow to the left if the Modes Start to "row work" format by pressing the POINT/POINTDOWN BUTTONS. Press the SELECT/REAR CLICK BUTTON. A sub dialog box PC ADJUSTMENT DISPLAY will appear
5. To quit the MENU, press and hold the SELECT/REAR CLICK BUTTON
6. To modify the parameter for parameter based on PC ADJUSTMENT SETTING
7. To switch the mode to "row work" format, set the PC ADJUSTMENT DISPLAY ON/OFF switch. Press the SELECT/REAR CLICK) BUTTON. "OK?" is displayed for confirmation
8. Move the arrow to YES and press the SELECT/REAR CLICK BUTTON. Confirmation dialog
9. To quit the MENU, move the arrow to EXIT and press the SELECT/REAR CLICK BUTTON

MAIN MENU DISPLAY



PICTURE SCREEN ADJUSTMENT

THE GOVT. IS GOING TO MAKE THESE ADJUSTMENTS AS IT SEES FIT IN THE GREEN ADJUSTMENT.

- 1 Press MENU BUTTON and MAIN MENU DISPLAY dialog box will appear
- 2 Press POINT LEFT RIGHT BUTTON and a red arrow will appear. Press EDIT REAR CLICK BUTTON. Another dialog box SCREEN ADJUST DISPLAY will appear
- 3 Press POINT DOWN BUTTON and a red arrow will appear

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OTHER FUNCTION SETTING

This projector has other functions such as Blue back Display, Reverse T/B, Reverse R/L, Split wipe, Power management and USB, Remote control and Lamp age.

BLUE BACK (On or Off)

When this function is in the "On" position, the projector will display a blue screen with no video source on the screen when the video source is unplugged or turned off.

DISPLAY (On or Off)

When this function is in the "On" position, the projector will display a screen with no video source on the screen when any adjustments are made. Although these displays are very helpful for the projector's operations, they can be annoying. To avoid these displays, you can use the following functions.

- Wait Display
- Mode Display
- Volume Display
- Mute Display
- Zoom/Focus/Lens shift Display
- D-Zoom Display
- Normal Display
- No show Display

REVERSE T/B (On or Off)

When this function is in the "On" position, the top/bottom picture reverse.

T B T B

REVERSE L/R (On or Off)

When this function is in the "On" position, the left/right picture reverse.

L R R L

SPLIT WIPE (On or Off)

This function is used to split the screen into two parts. The left part is always on the left side and the right part is always on the right side when the input source is changed.

Consequently, the screen is divided into four quadrants. The top-left quadrant is always on the top-left side and the bottom-right quadrant is always on the bottom-right side.

POWER MANAGEMENT (On or Off)

Power management function is used to turn off the projector when no signal is present for 5 minutes. The projector will turn off automatically. The projector will turn on again when a signal is detected.

USB (Mouse or Control)

This projector is designed to use a USB port. It is a component that is to be standard. When you connect the mouse to the projector, you can control the computer used by the projector's wireless remote control unit.

When this function is in the "On" position, you can control the projector by computer.

NOTE Before you control the projector by computer, connect the USB port and also connect the projector to the computer using the supplied USB cable.

REMOTE CONTROL CODE CHANGE (Mode 1 or Mode 2)

This projector can be operated with two different remote control codes. One is the main code (MODE 1) and the other one is extended code (MODE 2).

This is used to prevent the remote code from being confused when two different projector and several remote control video equipments are system-up and used together.

When you change the code MODE 2 you must change both projector and Remote Control.

To change Projector code.

Set REMOTE CONTROL in SETTING menu (below figure) to "MODE 2".

To change Remote Control Unit code.

Press both MENU and NORMAL button at the same time for 10 seconds.

After 10 seconds the code will change to MODE 2. To change back to normal code (MODE 1), take same operation above.

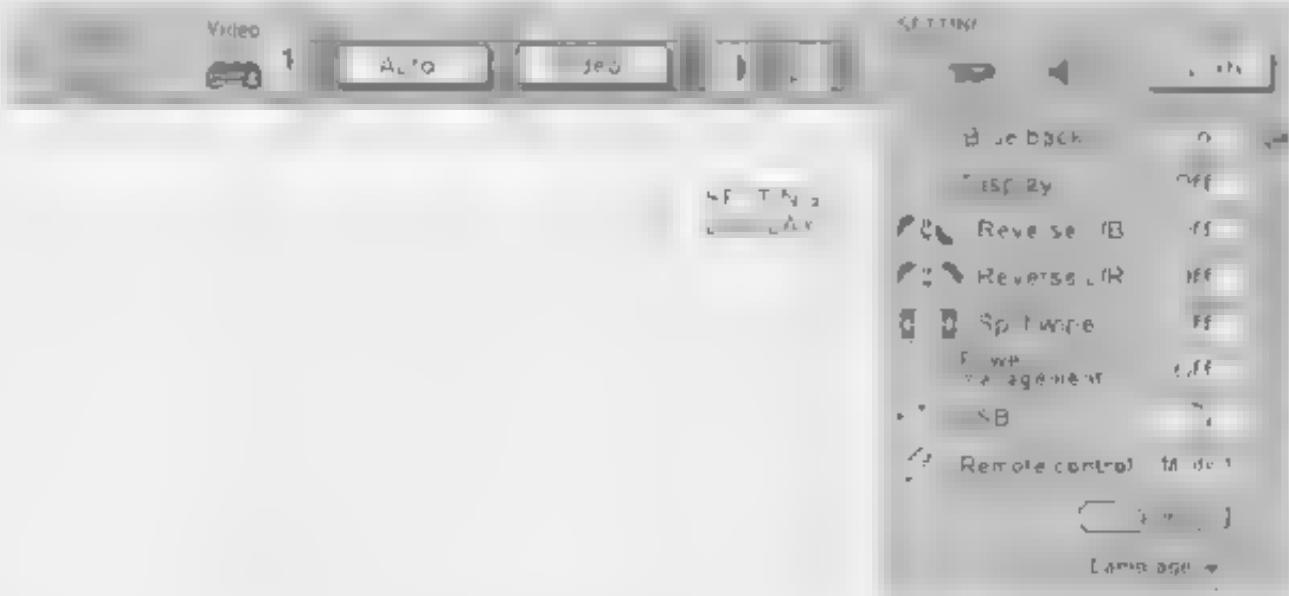
Mode 1

Mode 2

Setting the Blue back, Display Reverse T/B, Reverse R/L, Split wipe, Power management, USB and Remote control

- Press the MENU button to open MAIN MENU DISPLAY.
- Press the POINT LEFT/RIGHT button to select SETTING and then the POINT UP/DOWN button.
- Another dialog box SETTING DISPLAY will appear.
- Press the POINT DOWN button and a red arrow will appear.
- Move the red arrow to the setting you want to change with POINT POINT UP/DOWN button.
- If you want to change the setting, press the POINT LEFT/RIGHT button.
- Finally in MAIN MENU DISPLAY, select EXIT button.
- The settings are memorized even if the MAIN ON/OFF is switched off.

MAIN MENU DISPLAY



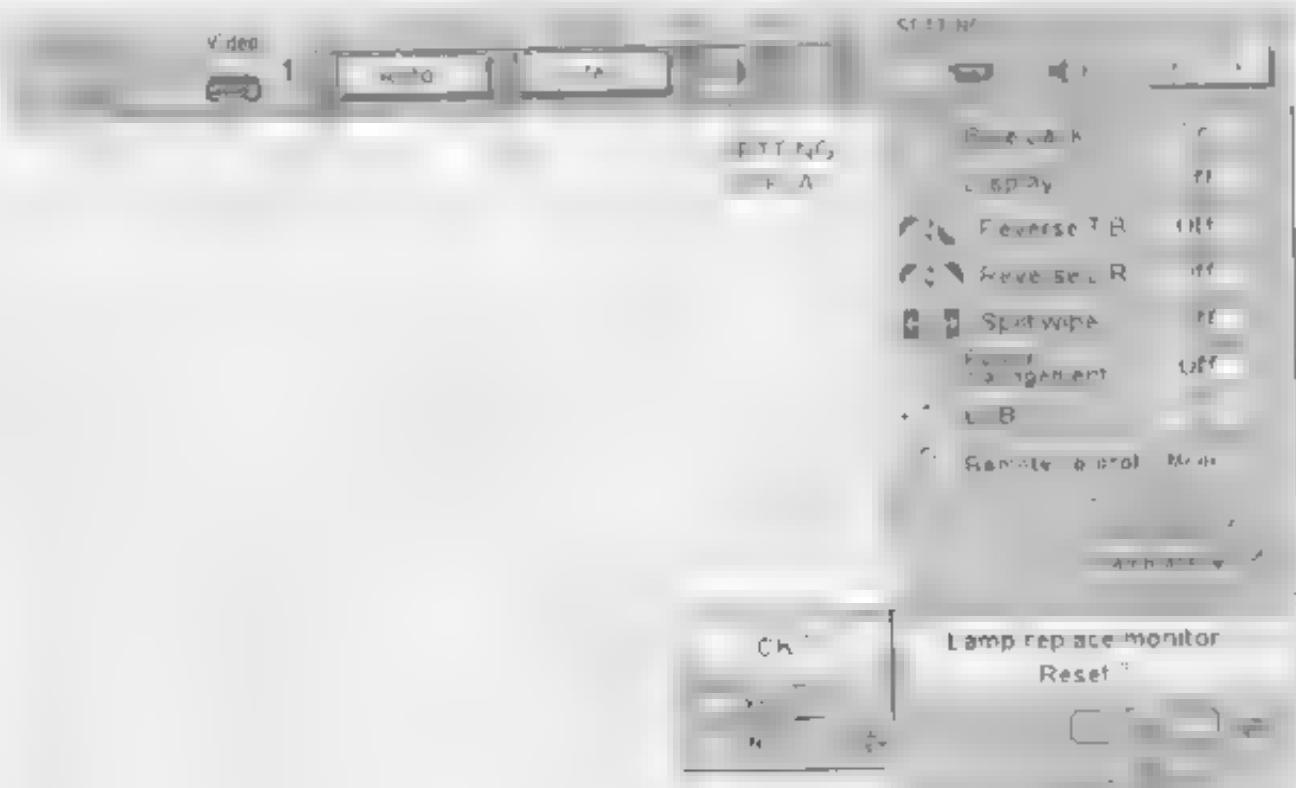
OTHER FUNCTION SETTING

LAMP AGE

The Lamp age function is designed to test the lamp after a certain time. After turning the lamp reset the lamp replacement monitor timer by using this function.

NOTE Do not reset the LAMP REPLACEMENT MONITOR TIME if the lamp is replaced.

MAIN MENU DISPLAY



APPENDIX

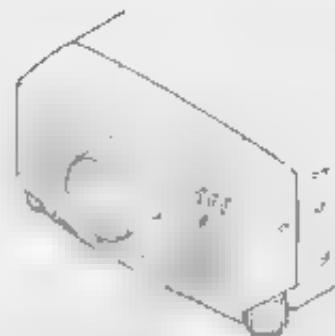
MAINTENANCE

TEMPERATURE WARNING INDICATOR

The TEMPERATURE WARNING INDICATOR flashes red when the internal temperature of the projector exceeds the normal temperature. Possible causes for the temperature warning may be:

- 1 Ventilation slots of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- 2 Air filter is clogged with dust particles. Remove dust from the air filter by following instructions in the Air Filter Care and Cleaning section above.

If the TEMPERATURE WARNING INDICATOR still continues to flash after checking (1) and (2) call your authorized dealer or service station.



TEMPERATURE
WARNING
INDICATOR

AIR FILTER CARE AND CLEANING

The air filter is a removable filter located on the front of the projector. It filters the air entering the projector lens and projector fan. If the filter becomes heavily clogged with dust particles, it may result in overheating and may result in damage to the projector. It is recommended to clean the air filter every 100 hours of use to avoid dust build up and reduce the life of the projector.

To clean the air filter, follow the cleaning procedures below:

- 1 Turn the POWER ON/OFF button OFF.
- 2 Remove the air filter cover.
- 3 Remove the air filter and sponge from the filter cover.
- 4 Clean the air filter with a vacuum cleaner.



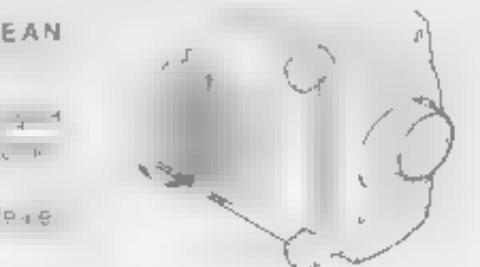
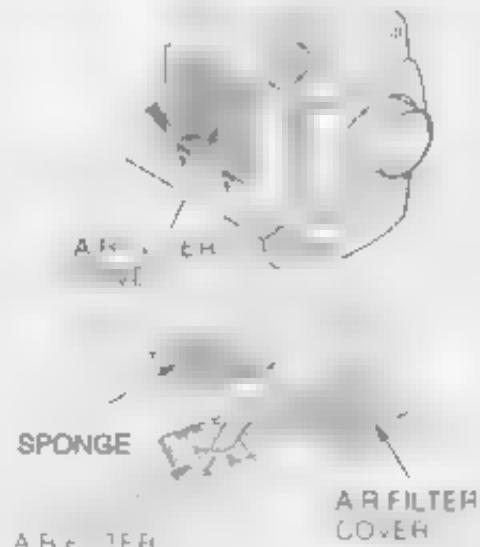
Do not clean with water. Doing so may damage the air filter.
Do not operate the projector with air filter removed.

RECOMMENDATION

TO ENJOY PICTURE IMAGE USE THE PROJECTOR IN THE CLEAN ENVIRONMENT. USAGE IN THE CLEAN ENVIRONMENT IS RECOMMENDED.

When the projector is used in a dirty environment, the lens and the air filter become dirty and the projector may not be able to project the image with the picture quality.

When the projector is used in a dirty environment, contact your authorized dealer or service station for the cleaning.



LAMP REPLACEMENT

WHEN THE PROJECTION LAMP OF THIS PROJECTOR DRAWS TO AN END, THE LAMP REPLACEMENT INDICATOR LIGHTS YELLOW AND THE WARNING MESSAGE LAMP REPLACEMENT APPEARS AS THE RIGHT FIGURE WHEN THE WARNING MESSAGE IS DISPLAYED THE PROJECTOR LAMP SHOULD BE REPLACED.

To terminate the warning message,

Report the Pre-Assembly of the LAMP REPLACEMENT MONITOR
TIME: See LAMP ASSEMBLY TIME at 10:00 AM on 10/20/04
TERMINAL:

To erase the warning message in a moment.



LAMP
RE-ATTACHMENT
INDICATOR



LAMP REPLACEMENT



- For continued safety replace with a lamp assembly of the same type
- Allow the projector to cool for at least 45 minutes before you open the lamp cover. The inside of the projector can become very hot
- Do not drop the lamp module or touch the glass bulb! The glass can shatter and cause injury

Follow these steps to replace the lamp assembly.

- 1 Turn off the projector and allow the projector to cool thoroughly
- 2 Disconnect the AC cord from the projector
- 3 Remove 2 screws with a screwdriver and remove the lamp cover
Remove 2 screws with a screwdriver and remove the lamp cover by grasping the handle
- 4 Remove the lamp assembly
- 5 Replace the lamp assembly
- 6 Tighten 4 screws to secure the lamp cover to the lamp assembly
- 7 Connect the AC cord to the projector



LAMP
(+CR)



SAND E

NOTE The **MAX FREQ ALIGNMENT TIME** is the time after the lamp is replaced.

CLEANING THE LENS

Follow these steps to clean the projection lens:

1. Apply a non-abrasive camera lens cleaner to a soft, dry cleaning cloth.
Avoid using an excessive amount of cleaner.
Abrasive cleaners, solvents or other harsh chemicals might scratch the lens.
2. Lightly wipe the cleaning cloth over the lens.
3. When you don't use the projector, replace the lens cover.

TROUBLESHOOTING

Before calling your dealer or service station for assistance, check the matters below once again.

1. Make sure you have connected the projector to your equipment as described in section "CONNECTING THE PROJECTOR" on pages 14 - 21.
2. Check cable connections. Verify that all computer, video and power cords are properly connected.
3. Verify that power is switched on.
4. If the projector still does not display an image, re-start the computer.
5. If the image still does not display, unplug the projector from the computer and check the computer monitor's display. The problem may be with your graphics controller rather than with the projector. (When you reconnect the projector, remember to turn the computer and monitor off before you power up the projector. Power the equipment back up in order of: Projector and computer)
6. If the problem still exists, check the following chart.

Problem:	Try these Solutions:
No power.	<ul style="list-style-type: none"> ● Plug the projector into an AC outlet. ● Turn the MAIN ON/OFF switch to ON. ● Press the POWER ON/OFF switch to ON. ● Be sure the READY INDICATOR light is ON. ● Wait one minute after the projector is turned OFF before turning the projector back on. <p>NOTE: After pressing the POWER ON/OFF button to OFF, the projector functions as indicated.</p> <ol style="list-style-type: none"> 1. The LAMP POWER indicator will light and the READY indicator will turn off. 2. After one minute, the READY indicator will light green again and the projector may be turned on by pressing the POWER ON/OFF button. <ul style="list-style-type: none"> ● Check temperature warning indicator. If the indicator flashes red, the projector cannot be turned on. (See "BASIC OPERATION" section on page 32) ● Check the projection lamp. ● Replace the lamp cover. (Check the interlock switch inside of the lamp cover.)
Image is out of focus.	<ul style="list-style-type: none"> ● Adjust the focus. ● Make sure the projection screen is at least 4.9' (1.5 m) from the projector. ● Check the projection lens to see if it needs cleaning. <p>NOTE: Moving the projector from a cool temperature location to a warm temperature location may result in moisture condensation on the lens. In such an event, leave the projector OFF and wait until condensation disappears.</p>

Problem:	Try these Solutions:
Picture is T/B Inverted.	Check Reverse T/B feature. (See "OTHER FUNCTION SETTING" section on pages 50 ~ 51)
Picture is L/R Reversed.	Check Reverse L/R feature. (See "OTHER FUNCTION SETTING" section on pages 50 ~ 51).
Some displays are not seen during the operation.	Check Display feature (See "OTHER FUNCTION SETTING" section on pages 50 ~ 51)
No sound.	<ul style="list-style-type: none"> ● Check audio cable connection from audio input source. ● Adjust audio source. ● Press the VOLUME (+) button. ● Press the MUTE button.
Remote control unit doesn't work.	<ul style="list-style-type: none"> ● Check the batteries. ● Make sure nothing is blocking between the remote control sensor and remote control unit. ● Make sure you are not too far from the projector when using the remote control unit. (Maximum operate range 16.4' (5 m)). ● Check the transmitted signal mode from the remote control unit. (See "OTHER FUNCTION SETTING" section on pages 50 ~ 51).
Wireless mouse function does not work.	<ul style="list-style-type: none"> ● Check the cable connection between the projector and the computer. ● Check the mouse setting on your computer. ● Turn on the projector before you turn on the computer

Projector Type	Multi-media Projector
Dimensions (W x H x D)	15.4" (390 mm) x 9.2" (234 mm) x 22.9" (582 mm)
Net Weight	39.2 lbs (17.8 kg)
LCD Panel System	1.8" TFT Active Matrix type x 3 panels
Number of Pixels	3,932,160 (1,310,720 (1,280 x 1,024) x 3)
Color System	6 color system (PAL, SECAM, NTSC, NTSC4.43, PAL-M and PAL-N)
Scanning Frequency	H-sync. 15 – 100 KHz, V-sync. 50 – 100 Hz
Projection Image Size (Diagonal)	Adjustable from 40° to 600°
Horizontal Resolution	800 TV lines
Projection Lens	F2.0 – 2.8 lens with f=75.7 mm – 97.5 mm Motor zoom and focus
Motorized Lens Shift	± 760 mm on 100° screen
Throw Distance	4.9' (1.5 m) – 80.7' (24.6 m)
Projection Lamp	400 watt type
AV Input Jacks	BNC Type (Video/Y, C/Cb (B-Y), Cr (R-Y)) x 2 sets, RCA Type (Audio R and L) x 2 sets and DIN 4 pin (S-Video) x 2 sets
Video Monitor Output Jack	BNC Type (Video/Y, C/Cb (B-Y), Cr (R-Y)) x 1 set and DIN 4 pin (S-Video) x 1 set
Audio Monitor Output Jacks	RCA Type (R and L) x 1 set
Computer Input 1 Jack	MDR 20-pin Terminal (Digital), HDB 15-pin Terminal (Analog), Multi-pole 12-pin (Control port) and USB port
Computer Input 2 Jack	BNC Type (R, G, B, H and V), Multi-pole 12-pin (Control port) and USB port
Computer Audio Input Jack	RCA Type (R and L) x 2 sets
Computer Output Jack	HDB 15-pin Terminal
Computer Audio Output Jack	RCA Type (R and L) x 1 set
Other Jack	Wired Remote Jack and Serial port (DB 9)
Built-in Speaker	(2) 5 cm x 9 cm, Stereo (R and L), 3 watt (Music Power)
Image Elevation Adjustment	Up to 4"
Voltage	100 – 120 V AC, 50/60 Hz
Power Consumption	7.2 A (Max. Ampere)
Operating Temperature	5°C – 35°C
Storage Temperature	–10°C – 60°C
Remote Control Transmitters	Wireless Remote Control with Laser Beam (Class II Laser) Max. Output 1mW/Wave Length 660 ± 20nm, batteries (2) AA type. Wireless/Wired Remote Control, batteries (2) AA type.



This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.



Audio Visual/Video Products

EIKI INTERNATIONAL, INC.

26794 Vista Terrace Drive, Lake Forest,
CA 92630-8113, U.S.A.
TEL (949) 457-0200 FAX (949) 457-7878

IN CANADA, EIKI CANADA

865 Hentage Drive P O. Box 156
Midland Ontario L4R 4K8 Canada
TEL (705) 527-4084 FAX (705) 527-4087